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DIV. OF OIL, GAS & MINING

001

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐ (highlight changes)

APPLICATION FOR PERMIT TO DRILL

5. MINERAL LEASE NO: STUO-015630-ST	6. SURFACE: State
7. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
8. UNIT or CA AGREEMENT NAME: 891008900A (Marina D Burns)	
9. WELL NAME and NUMBER: NBU 921-33G	
10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES	
11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNE 33 9S 21E	
12. COUNTY: UINTAH	13. STATE: UTAH

1A. TYPE OF WORK: DRILL ☑ REENTER ☐ DEEPEN ☐

B. TYPE OF WELL: OIL ☐ GAS ☑ OTHER _____ SINGLE ZONE ☐ MULTIPLE ZONE ☑

2. NAME OF OPERATOR: WESTPORT OIL & GAS COMPANY, L.P.

3. ADDRESS OF OPERATOR: 1368 S 1200 E CITY VERNAL STATE UT ZIP 84078 PHONE NUMBER: 781-7060

4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: 1713' FNL 1754' FEL 623550X 39.995051
4428001Y -109.552770
AT PROPOSED PRODUCING ZONE:

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: 14.2 MILES SOUTHEAST OF OURAY, UTAH

15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET)	16. NUMBER OF ACRES IN LEASE:	17. NUMBER OF ACRES ASSIGNED TO THIS WELL:
1713'	285.29	40
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET)	**19. PROPOSED DEPTH:**	**20. BOND DESCRIPTION:**
REFER TO TOPO C	9,768	STATE SURETY RLB0005236
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.):	**22. APPROXIMATE DATE WORK WILL START:**	**23. ESTIMATED DURATION:**
4948.7' UNGRADED GL		TO BE DETERMINED

24. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT	SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT			
12 1/4"	9 5/8" 32.3# H-40, STC	2,500	PREM CMT	265 SX	1.18	15.6
7 7/8"	4 1/2" 11.6# I-80, LTC	9,768	PREM LITE II	510 SX	3.38	11.0
			50/50 POZ G	1440 SX	1.31	14.3

25. ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES:

☑ WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER
☐ EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER
☑ COMPLETE DRILLING PLAN
☐ FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER

NAME (PLEASE PRINT) DEBRA DOMENICI TITLE ENVIRONMENTAL ASSISTANT

SIGNATURE Debra Domenici DATE 3/11/2005

(This space for State use only)

API NUMBER ASSIGNED: 43-047-36392

APPROVAL:

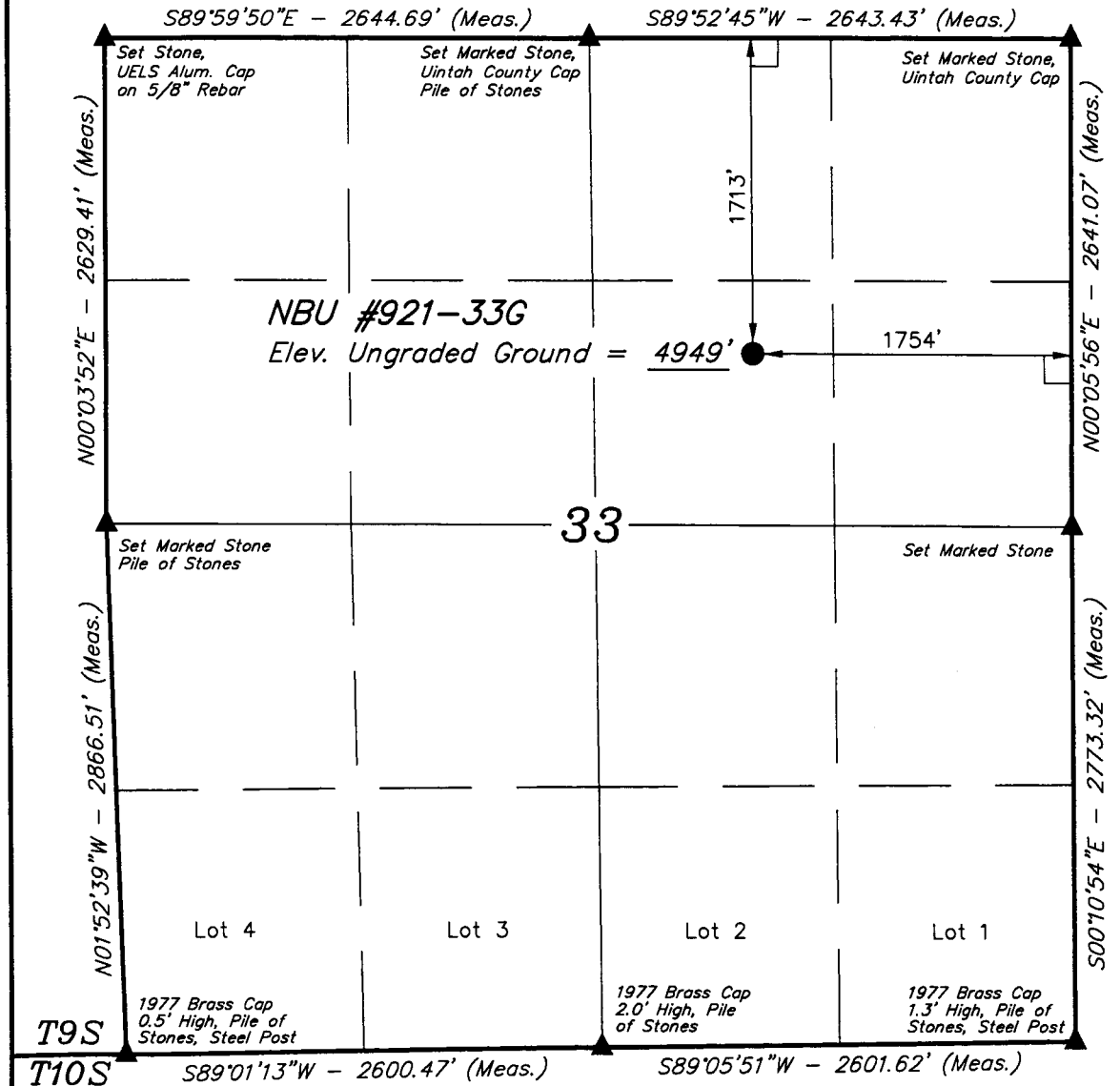
Approved by the Utah Division of Oil, Gas and Mining
Date: 05-10-05
By:

(11/2001) (See Instructions on Reverse Side)

WESTPORT OIL AND GAS COMPANY, L.P.

Well location, NBU #921-33G, located as shown in the SW 1/4 NE 1/4 of Section 33, T9S, R21E, S.L.B.&M. Uintah County, Utah.

T9S, R21E, S.L.B.&M.



LEGEND:

└ = 90° SYMBOL

● = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED.

(NAD 83)
LATITUDE = 39°59'42.20" (39.995056)
LONGITUDE = 109°33'12.62" (109.553506)

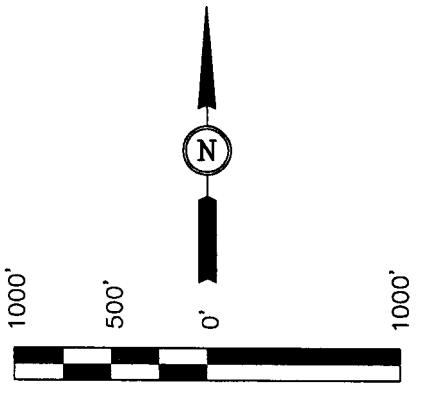
(NAD 27)
LATITUDE = 39°59'42.33" (39.995092)
LONGITUDE = 109°33'10.14" (109.552817)

BASIS OF ELEVATION

TWO WATER TRIANGULATION STATION LOCATED IN THE NW 1/4 OF SECTION 1, T10S, R21E, S.L.B.&M. TAKEN FROM THE BIG PACK MTN NE, QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5238 FEET.

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



SCALE

CERTIFICATE

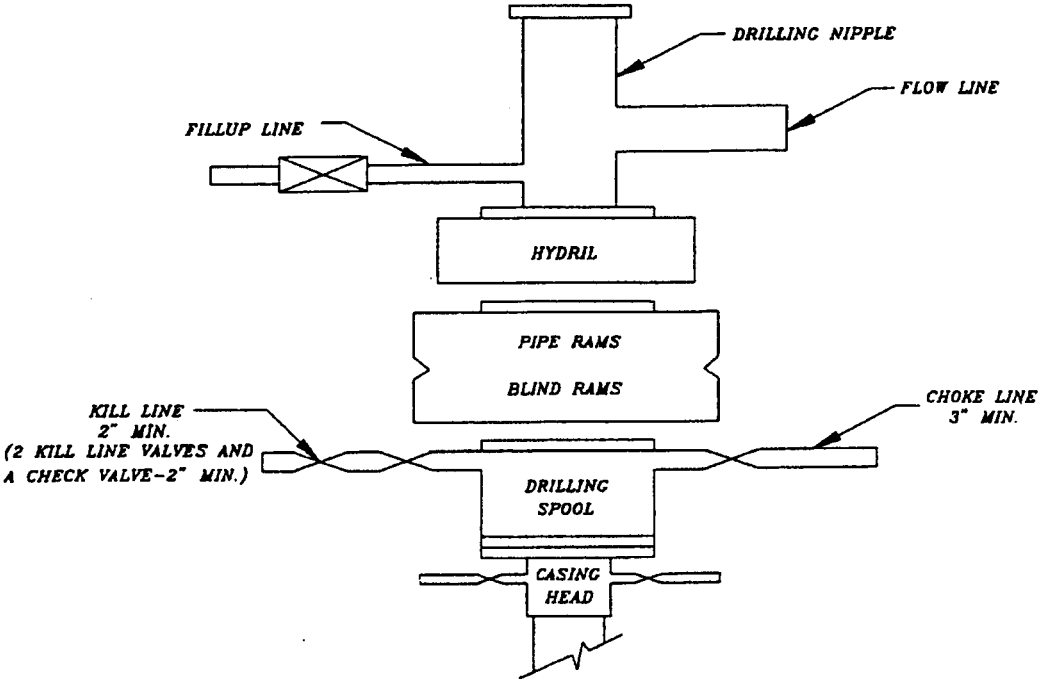
THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

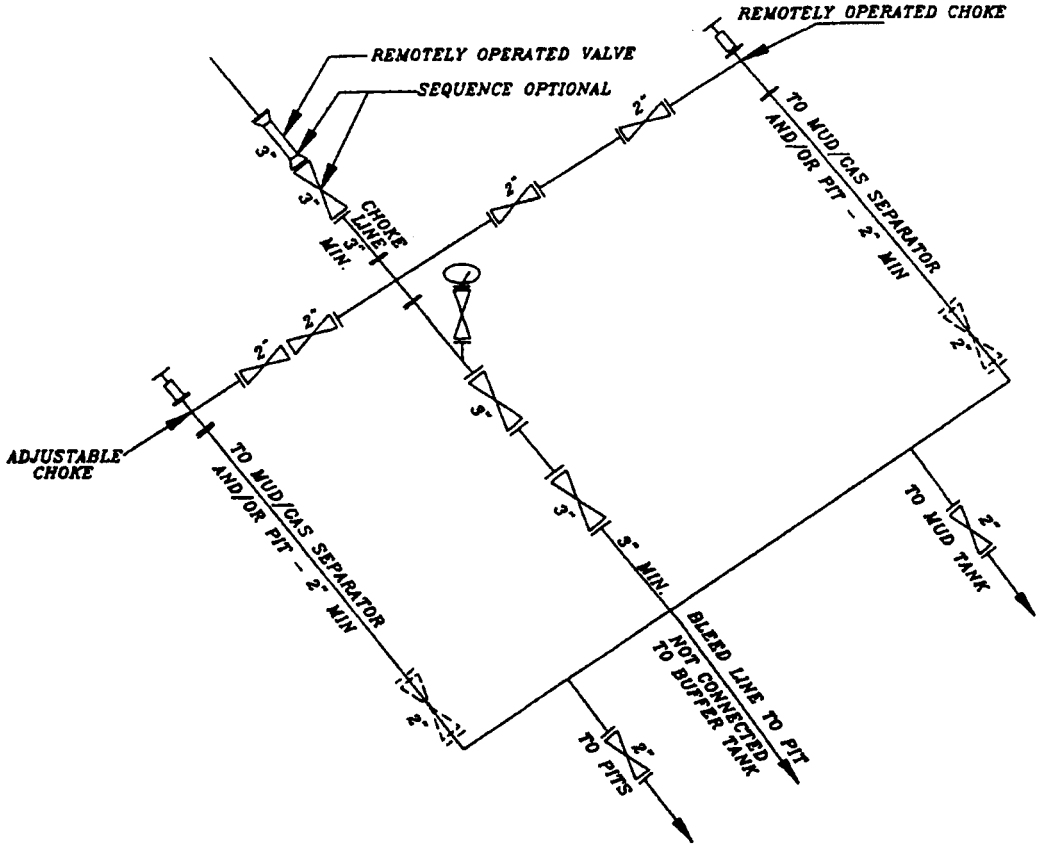
REGISTERED LAND SURVEYOR.
REGISTRATION NO. 161319
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST - VERNAL, UTAH 84078
(435) 789-1017

SCALE	DATE SURVEYED:	DATE DRAWN:
1" = 1000'	1-7-05	1-18-05
PARTY: J.W. S.W. E.C.O.	REFERENCES: G.L.O. PLAT	
WEATHER: COLD	FILE: WESTPORT OIL AND GAS COMPANY, L.P.	

5M BOP STACK and CHOKE MANIFOLD SYSTEM

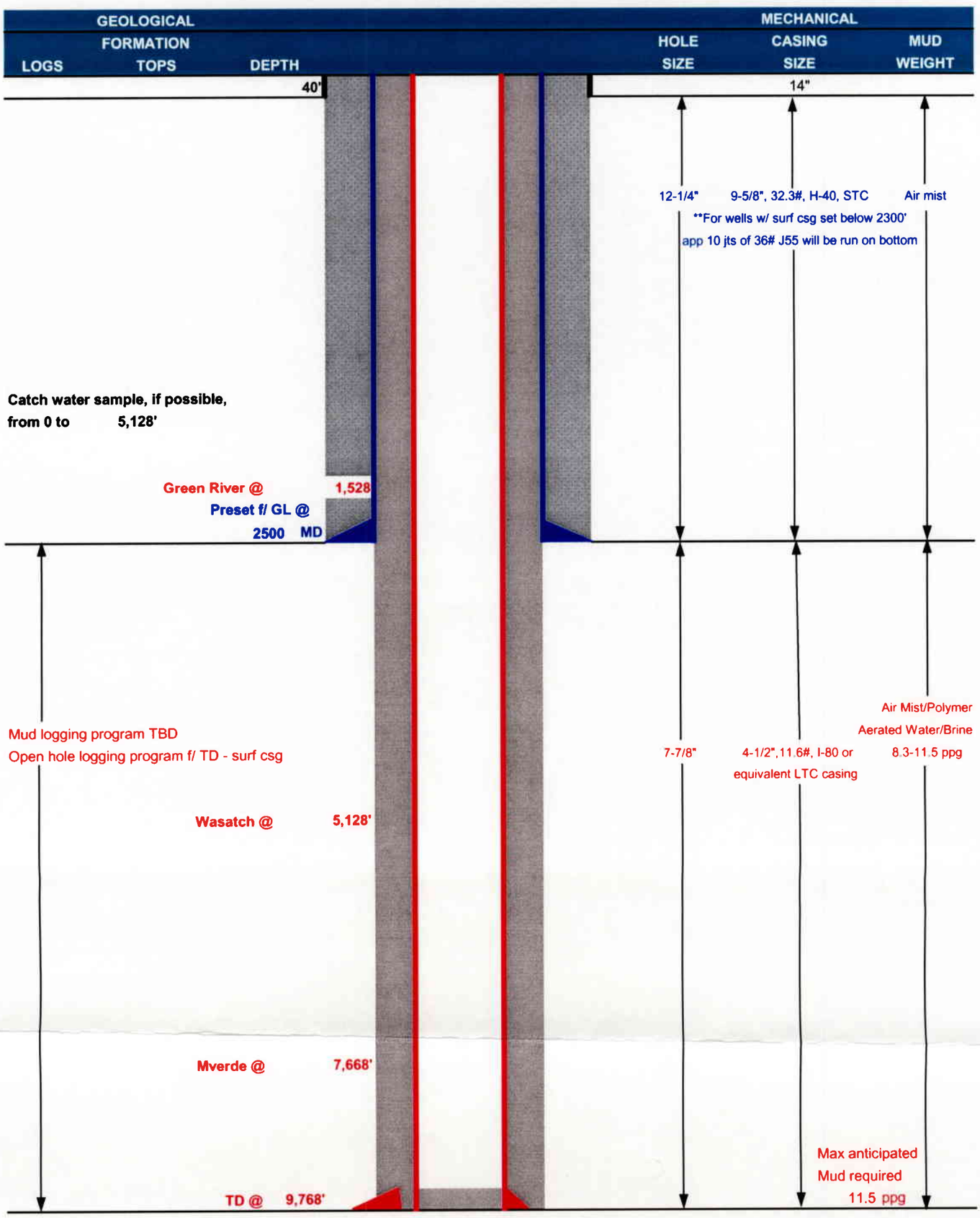




Westport Oil and Gas Company, L.P.

DRILLING PROGRAM

COMPANY NAME	Westport Oil and Gas Co., L.P.		DATE	April 21, 2005	
WELL NAME	**NBU 921-33G**		TD	9,768' MD/TVD	
FIELD	Natural Buttes	COUNTY Uintah	STATE Utah	ELEVATION	4,948' GL KB 4,963'
SURFACE LOCATION	SWNE SECTION 33-T9S-R21E 1713'FNL & 1754'FEL			BHL	Straight Hole
	Latitude: 39.995056	Longitude: 109.553506			
OBJECTIVE ZONE(S)	Wasatch/Mesaverde				
ADDITIONAL INFO	Regulatory Agencies: UDOGM (SURF & MINERALS), Tri-County Health Dept.				



Westport Oil and Gas Company, L.P.

DRILLING PROGRAM

CASING PROGRAM

	SIZE	INTERVAL			WT.	GR.	CPLG.	DESIGN FACTORS BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'								
								2270	1370	254000
SURFACE	9-5/8"	0	to	2100	32.30	H-40	STC		1.39	3.59
								3520	2020	564000
	9-5/8"	2100	to	2500	36.00	J-55	STC		1.73	7.98
								7780	6350	201000
PRODUCTION	4-1/2"	0	to	9768	11.60	I-80	LTC	2.11	1.09	2.03

1) Max Anticipated Surf. Press.(MASP) (Surface Casing) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD of next csg point)

2) MASP (Prod Casing) = Pore Pressure at TD - (.22 psi/ft-partial evac gradient x TD)

(Burst Assumptions: TD = 11.5 ppg) .22 psi/ft = gradient for partially evac wellbore

(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)

MASP 3692 psi

CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE	LEAD	500	Premium cmt + 2% CaCl	215	60%	15.60	1.18
Option 1			**+ .25 pps flocele**				
	TOP OUT CMT (1)	250	20 gals sodium silicate + Premium cmt	100		15.60	1.18
			+ 2% CaCl + .25 pps flocele				
	TOP OUT CMT (2)	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
SURFACE			**NOTE: If well will circulate water to surface, option 2 will be utilized**				
Option 2	LEAD	2000	Prem cmt + 16% Gel + 10 pps gilsonite	230	35%	11.00	3.82
			+.25 pps Flocele + 3% salt BWOC				
	TAIL	500	Premium cmt + 2% CaCl	180	35%	15.60	1.18
			+ .25 pps flocele				
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION	LEAD	4,628'	Premium Lite II + 3% KCl + 0.25 pps	510	60%	11.00	3.38
			celloflake + 5 pps gilsonite + 10% gel				
			+ 0.5% extender				
	TAIL	5,140'	50/50 Poz/G + 10% salt + 2% gel	1440	60%	14.30	1.31
			+.1% R-3				

*Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained

*Substitute caliper hole volume plus 10% excess for TAIL if accurate caliper is obtained

FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe.
PRODUCTION	Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to top of tail cement with bow spring centralizers.

ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 5M with one annular and 2 rams. Test to 5,000 psi (annular to 2,500 psi) prior to drilling out. Record on chart recorder & tour sheet. Function test rams on each trip. Maintain safety valve & inside BOP on rig floor at all times. Kelly to be equipped with upper & lower kelly valves.

Drop Totco surveys every 2000'. Maximum allowable hole angle is 5 degrees.

DRILLING ENGINEER: _____ **DATE:** _____

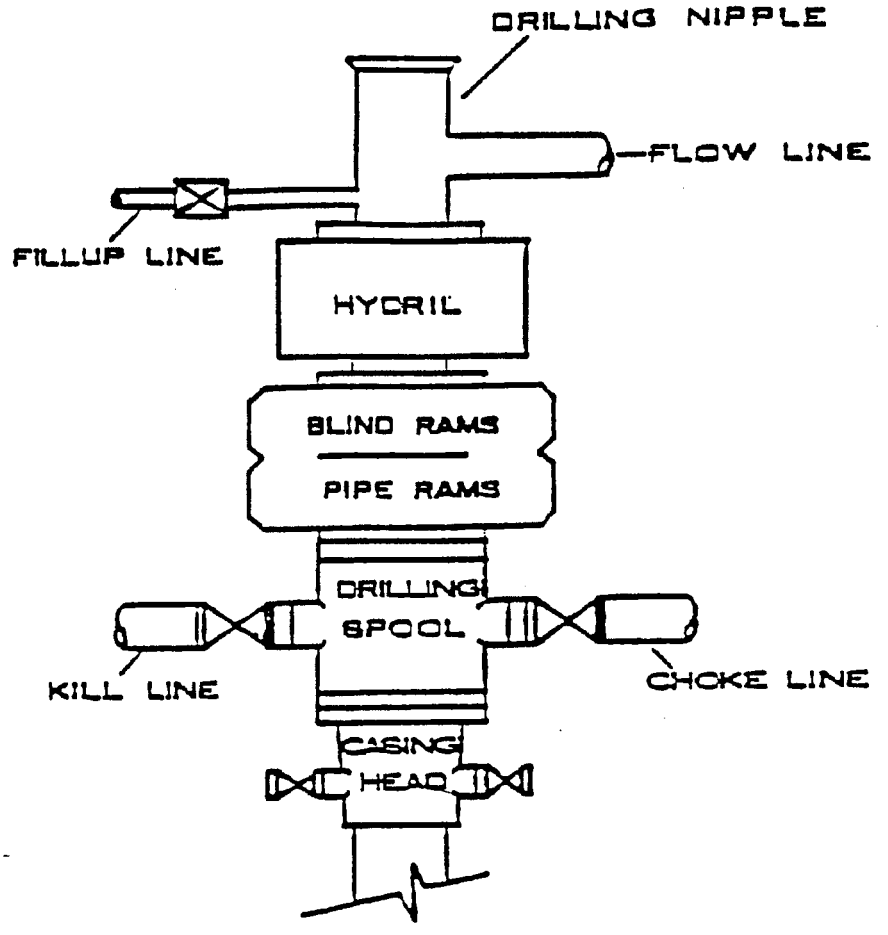
Brad Laney

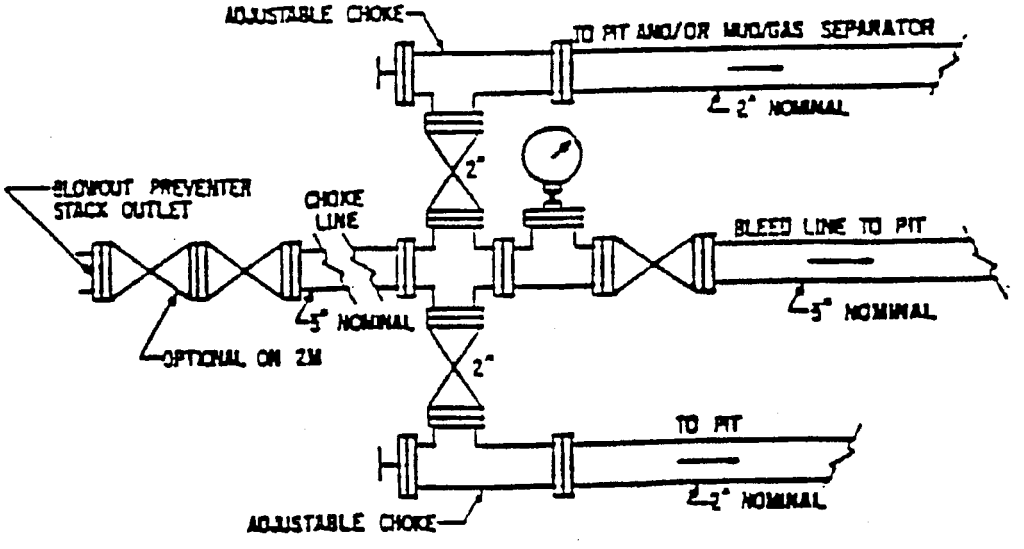
DRILLING SUPERINTENDENT: _____ **DATE:** _____

Randy Bayne

3,000 PSI

BOP STACK





United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:
3160
(UT-922)

March 18, 2005

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2005 Plan of Development Natural Buttes Unit
Uintah County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2005 within the Natural Buttes Unit, Uintah County, Utah.

API #	WELL NAME	LOCATION
(Proposed PZ Mesaverde)		
43-047-36388	NBU 921-34L	Sec 34 T09S R21E 2586 FSL 0379 FWL
43-047-36389	NBU 921-34K	Sec 34 T09S R21E 2543 FSL 2274 FWL
43-047-36390	NBU 921-34H	Sec 34 T09S R21E 2163 FNL 0839 FEL
43-047-36391	NBU 921-33F	Sec 33 T09S R21E 1797 FNL 1844 FWL
43-047-36392	NBU 921-33G	Sec 33 T09S R21E 1713 FNL 1754 FEL
43-047-36393	NBU 921-33I	Sec 33 T09S R21E 2240 FSL 0878 FEL
43-047-36394	NBU 921-33J	Sec 33 T09S R21E 2113 FSL 1951 FEL
43-047-36395	NBU 921-33K	Sec 33 T09S R21E 2066 FSL 1926 FWL
43-047-36396	NBU 921-33P	Sec 33 T09S R21E 0885 FSL 0719 FEL
43-047-36397	NBU 922-36C	Sec 36 T09S R22E 0720 FNL 1768 FWL
43-047-36398	NBU 922-36G	Sec 36 T09S R22E 2471 FNL 2464 FEL
43-047-36399	NBU 922-36H	Sec 36 T09S R22E 2546 FNL 1059 FEL
43-047-36400	NBU 922-36N	Sec 36 T09S R22E 0059 FSL 2066 FWL
43-047-36401	NBU 922-36O	Sec 36 T09S R22E 1202 FSL 2116 FEL
43-047-36402	NBU 1022-12I	Sec 12 T10S R22E 2297 FSL 1046 FEL
43-047-36403	NBU 1022-12P	Sec 12 T10S R22E 1083 FSL 0462 FEL

This office has no objection to permitting the wells at this time.

/s/ Michael L. Coulthard

NBU #921-33G
SWNE Sec. 33, T9S-R21E
Uintah County, UT
STUO-015630-ST

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. **Existing Roads:**

Refer to Topo Map A for directions to the location.

Refer to Topo Maps A and B for location of access roads within a 2-mile radius.

All existing roads will be maintained and kept in good repair during all drilling and completion operations associated with this well.

2. **Planned Access Roads:**

Approximately 0.5 miles of new access road is proposed. Refer to Topo Map B for the location of the proposed access road.

The upgraded and new portions of the access road will be crowned and ditched with a running surface of 18 feet and a maximum disturbed width of 30 feet. Appropriate water control will be installed to control erosion.

Existence of pipelines; maximum grade; turnouts; major cut and fills, culverts, or bridges; gates, cattle guards, fence cuts, or modifications to existing facilities will be determined at the on-site.

The access road was centerline flagged during time of staking.

Surfacing material may be necessary, depending upon weather conditions.

Surface disturbance and vehicular traffic will be limited to the approved location and approved access route. Any additional area needed will be approved in advance.

3. **Location of Existing Wells Within a 1-Mile Radius**

Please refer to Topo Map C.

4. **Location of Existing & Proposed Facilities & Pipelines**

The following guidelines will apply if the well is productive.

All production facilities will be located on the disturbed portion of the well pad and at a minimum of 25 feet from the toe of the back slope or the top of the fill slope.

A dike will be constructed completely around those production facilities which contain fluids (i.e., production tanks, produced water tanks, and/or heater/treater). These dikes

will be constructed of compacted subsoil, be impervious, hold 100% of the capacity of the largest tank, and be independent of the back cut.

All permanent (on-site six months or longer) above the ground structures constructed or installed, including pumping units, will be painted a flat, non-reflective, earthtone color to match one of the standard environmental colors, as determined by the five state Rocky Mountain Inter-Agency Committee.

All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The required color is Carlsbad Canyon, standard color number 2.5Y 6/2.

Any necessary pits will be properly fenced to protect livestock and prevent wildlife entry.

Approximately 1400'of up to 8" pipeline is proposed. The pipeline will be butt-welded together. Refer to Topo D for the proposed pipeline.

5. Location and Type of Water Supply:

Water for drilling purposes will be obtained from Dalbo Inc.'s underground well located in Ouray, Utah, Sec. 32, T4S, R3E, Water User Claim #43-8496, Application #53617.

Water will be hauled to location over the roads marked on Maps A and B.

No water well is to be drilled on this lease.

6. Source of Construction Materials:

Surface and subsoil materials in the immediate area will be utilized.

Any gravel will be obtained from a commercial source.

7. Methods of Handling Waste Materials:

Drill cuttings will be contained and buried in the reserve pit.

Drilling fluids, including salts and chemicals, will be contained in the reserve pit. Upon termination of drilling and completion operations, the liquid contents of the reserve pit will be removed and disposed of at an approved waste disposal facility within 120 days after drilling is terminated.

The reserve pit will be constructed on the location and will not be located within natural drainage, where a flood hazard exists or surface runoff will destroy or damage the pit walls. The reserve pit will be constructed so that it will not leak, break, or allow discharge of liquids.

A plastic reinforced liner and felt will be used, it will be a minimum of 16 mil thick, with sufficient bedding used to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash or scrap that could puncture the liner will be disposed of in the pit.

Any spills of oil, gas, salt water, or other noxious fluids will be immediately cleaned up and removed to an approved disposal site.

A chemical porta-toilet will be furnished with the drilling rig.

Garbage, trash, and other waste materials will be collected in a portable, self-contained, fully enclosed trash cage during operations. No trash will be burned on location.

All debris and other waste material not contained in the trash cage will be cleaned up and removed from the location immediately after removal of the drilling rig.

Any open pits will be fenced during the operations. The fencing will be maintained until such time as the pits are backfilled.

No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.

Any produced water from the proposed well will be contained in a water tank and will then be hauled By truck to one of the pre-approved disposal sites: RNI, Sec. 5, T9S, R22E, NBU #159, Sec. 35, T9S, R21E, Ace Oilfield, Sec. 2, T6S, R20E, MC&MC, Sec. 12, T6S, R19E.

8. Ancillary Facilities:

None are anticipated.

9. Well Site Layout: (See Location Layout Diagram)

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s).

Please see the attached diagram to describe rig orientation, parking areas, and access roads.

The reserve pit will be lined, and when the reserve pit is closed, the pit liner will be buried below plow depth.

All pits will be fenced according to the following minimum standards:

39 inch net wire will be used with at least one strand of barbed wire on top of the net wire. Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence.

The net wire shall be no more than two inches above the ground. The barbed wire shall be three inches over the net wire. Total height of the fence shall be at least 42 inches.

Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.

Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any 2 fence posts shall be no greater than 16 feet.

All wire shall be stretched, by using a stretching device, before it is attached to corner posts.

The reserve pit fencing will be on three sides during drilling operations, and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

Location size may change prior to the drilling of the well due to current rig availability. If the proposed location is not large enough to accommodate the drilling rig the location will be re-surveyed and a Form 9 shall be submitted.

10. Plans for Reclamation of the Surface:

Producing Location:

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, materials, trash, and debris not required for production.

Immediately upon well completion, any hydrocarbons in the pit shall be removed in accordance with 43 CFR 3162.7-1.

A plastic, nylon reinforced liner will be used, it shall be torn and perforated before backfilling of the reserve pit.

Before any dirt work associated with location restoration takes place, the reserve pit shall be as dry as possible. All debris in it will be removed. Other waste and spoil materials will be disposed of immediately upon completion of operations.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours. The reserve pit will be reclaimed within 90 days from the date of well completion, weather permitting.

To prevent surface water (s) from standing (ponding) on the reclaimed reserve pit area, final reclamation of the reserve pit will consist of "mounding" the surface three feet above surrounding ground surface to allow the reclaimed pit area to drain effectively.

Upon completion of backfilling, leveling, and recontouring, the stockpiled topsoil will be spread evenly over the reclaimed area(s).

Dry Hole/Abandoned Location:

Abandoned well sites, roads, and other disturbed areas will be restored as near as practical to their original condition. Where applicable, these conditions include the re-establishment of irrigation systems, the re-establishment of appropriate soil conditions, and re-establishment of vegetation as specified.

All disturbed surfaces will be recontoured to the approximate natural contours, with reclamation of the well pad and access road to be performed as soon as practical after final abandonment. Reseeding operations will be performed after completion of other reclamation operations.

11. Surface Ownership:

SITLA
675 East 500 South, Suite 500
Salt Lake City, UT 84102

12. Other Information:

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, the approved Plan of Operations, and any applicable Notice of Lessees. The Operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance.

The Operator will control noxious weeds along Rights-Of-Way for roads, pipelines, well sites, or other applicable facilities.

A Class III archaeological survey will be submitted when it is received by our office.

This location is not within 460' from the boundary of the Natural Buttes Unit, nor is it Within 460' of any non-committed tract lying within the boundaries of the Unit.

13. Lessee's or Operators's Representative & Certifcation:

Debra Domenici
Environmental Assistant
Westport O&G Co.
1368 South 1200 East
Vernal, UT 84078
(435) 781-7060

Randy Bayne
Drilling Operations Manager
Westport O&G Co.
1368 South 1200 East
Vernal, UT 84078
(435)781-7018

Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Westport O&G Co. is considered to be the operator of the subject well. Westport O&G Co. agrees to be responsible under terms and conditions of the lease for the operations conducted upon leased lands.

Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by State Surety Bond #RLB0005236.

I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed by the Operator, its contractors, and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

Debra Domenici

Debra Domenici

3/11/05

Date

NBU #921-33G
SWNE SECTION 33-T9S-R21E
UINTAH COUNTY, UTAH
LEASE NUMBER: STUO-015630-ST

ONSHORE ORDER NO. 1
WESTPORT OIL & GAS COMPANY

DRILLING PROGRAM

1. **Estimated Tops of Important Geologic Markers:**

Formation	Depth
Uinta	Surface
Green River	1528'
Wasatch	5128'
Mesa Verde	7668'
Total Depth	9768'

2. **Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:**

Substance	Formation	Depth
	Green River	1528'
Gas	Wasatch	5128'
	Mesa Verde	7668'
Water	N/A	
Other Minerals	N/A	

3. **Pressure Control Equipment:**

Please refer to the attached Drilling Program.

4. **Proposed Casing & Cementing Program:**

Please refer to the attached Drilling Program.

5. **Drilling Fluids Program:**

Please refer to the attached Drilling Program.

6. **Evaluation Program:**

Please refer to the attached Drilling Program.

7. **Abnormal Conditions:**

Maximum anticipated bottomhole pressure at 9768' TD approximately equals 3907.2 psi (calculated at 0.4 psi/foot).

Maximum anticipated surface pressure equals approximately 1758.24 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

8. **Anticipated Starting Dates & Notification of Operations:**

Please refer to the attached Drilling Program.

9. **Variances:**

Please refer to the attached Drilling Program.

10. **Other Information:**

Please refer to the attached Drilling Program.

Westport Oil and Gas Company, L.P.

DRILLING PROGRAM

COMPANY NAME	Westport Oil and Gas Co., L.P.			DATE	March 1, 2005		
WELL NAME	**NBU 921-33G**			TD	9,768' MD/TVD		
FIELD	LOVE	COUNTY Uintah	STATE Utah	ELEVATION	4,948' GL	KB 4,963'	
SURFACE LOCATION	SWNE SECTION 33-T9S-21E 1713'FNL & 1754'FEL					BHL	Straight Hole
	Latitude: 39.995092	Longitude: 109.552817					
OBJECTIVE ZONE(S)	Wasatch/Mesaverde						
ADDITIONAL INFO	Regulatory Agencies: UTDOGM, (SURF & MINERALS), Tri-County Health Dept.						

GEOLOGICAL			MECHANICAL		
LOGS	FORMATION TOPS	DEPTH	HOLE SIZE	CASING SIZE	MUD WEIGHT
		40'		14"	
			12-1/4"	9-5/8", 32.3#, H-40, STC	Air mist
Catch water sample, if possible, from 0 to 5,128'					
	Green River @	**1,528**			
	Preset f/ GL @	**2500 MD**			
Mud logging program TBD Open hole logging program f/ TD - surf csg			7-7/8"	4-1/2",11.6#, I-80 or equivalent LTC casing	Air Mist/Polymer Aerated Water/Brine 8.3-10.0 ppg
	Wasatch @	**5,128'**			
	Mverde @	**7,668'**			
	TD @	**9,768'**			Max anticipated Mud required 10.0 ppg

Westport Oil and Gas Company, L.P.

DRILLING PROGRAM

CASING PROGRAM

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'				2270	1370	254000
SURFACE	9-5/8"	0 to 2500	32.30	H-40	STC	0.77********	1.17	3.59
						7780	6350	201000
PRODUCTION	4-1/2"	0 to 9768	11.60	I-80	LTC	2.65	1.25	2.03

1) Max Anticipated Surf. Press.(MASP) (Surface Casing) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD of next csg point)

2) MASP (Prod Casing) = Pore Pressure at TD - (.22 psi/ft-partial evac gradient x TD)

(Burst Assumptions: TD = 10.0 ppg) .22 psi/ft = gradient for partially evac wellbore

(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)

MASP 2930 psi

******** Burst SF is low but csg is much stronger than formation at 2000'. EMW @ 2000' for 2270# is 21.8 ppg or 1.13 psi/ft

CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE	LEAD	500	Premium cmt + 2% CaCl + .25 pps flocele	215	60%	15.60	1.18
Option 1	TOP OUT CMT (1)	200	20 gals sodium silicate + Premium cmt + 2% CaCl + .25 pps flocele	50		15.60	1.18
	TOP OUT CMT (2)	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
SURFACE			**NOTE: If well will circulate water to surface, option 2 will be utilized**				
Option 2	LEAD	1500	Prem cmt + 16% Gel + 10 pps gilsonite +.25 pps Flocele + 3% salt BWOC	170	35%	11.00	3.82
	TAIL	500	Premium cmt + 2% CaCl + .25 pps flocele	180	35%	15.60	1.18
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION	LEAD	4,628'	Premium Lite II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	510	60%	11.00	3.38
	TAIL	5,140'	50/50 Poz/G + 10% salt + 2% gel +.1% R-3	1440	60%	14.30	1.31

*Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained

*Substitute caliper hole volume plus 15% excess for TAIL if accurate caliper is obtained

FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe.
PRODUCTION	Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to top of tail cement with bow spring centralizers.

ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 3M with one annular and 2 rams. Test to 3,000 psi (annular to 1,500 psi) prior to drilling out. Record on chart recorder & tour sheet. Function test rams on each trip. Maintain safety valve & inside BOP on rig floor at all times. Kelly to be equipped with upper & lower kelly valves.

Drop Totco surveys every 2000'. Maximum allowable hole angle is 5 degrees.

DRILLING ENGINEER: _____ **DATE:** _____

Brad Laney

DRILLING SUPERINTENDENT: _____ **DATE:** _____

Randy Bayne

WESTPORT OIL AND GAS COMPANY, L.P.

NBU #921-33G

SECTION 33, T9S, R21E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 6.9 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 5.0 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN RIGHT AND PROCEED IN A NORTHEASTERLY, THEN EASTERLY, THEN SOUTHERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 1.8 MILES TO BEGINNING OF THE PROPOSED ACCESS TO THE NORTH; FOLLOW ROAD FLAGS IN A NORTHERLY, THEN NORTHWESTERLY DIRECTION APPROXIMATLEY 0.5 MILES TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 45.2 MILES.

WESTPORT OIL AND GAS COMPANY, L.P.

NBU #921-33G

LOCATED IN UINTAH COUNTY, UTAH
SECTION 33, T9S, R21E, S.L.B.&M.

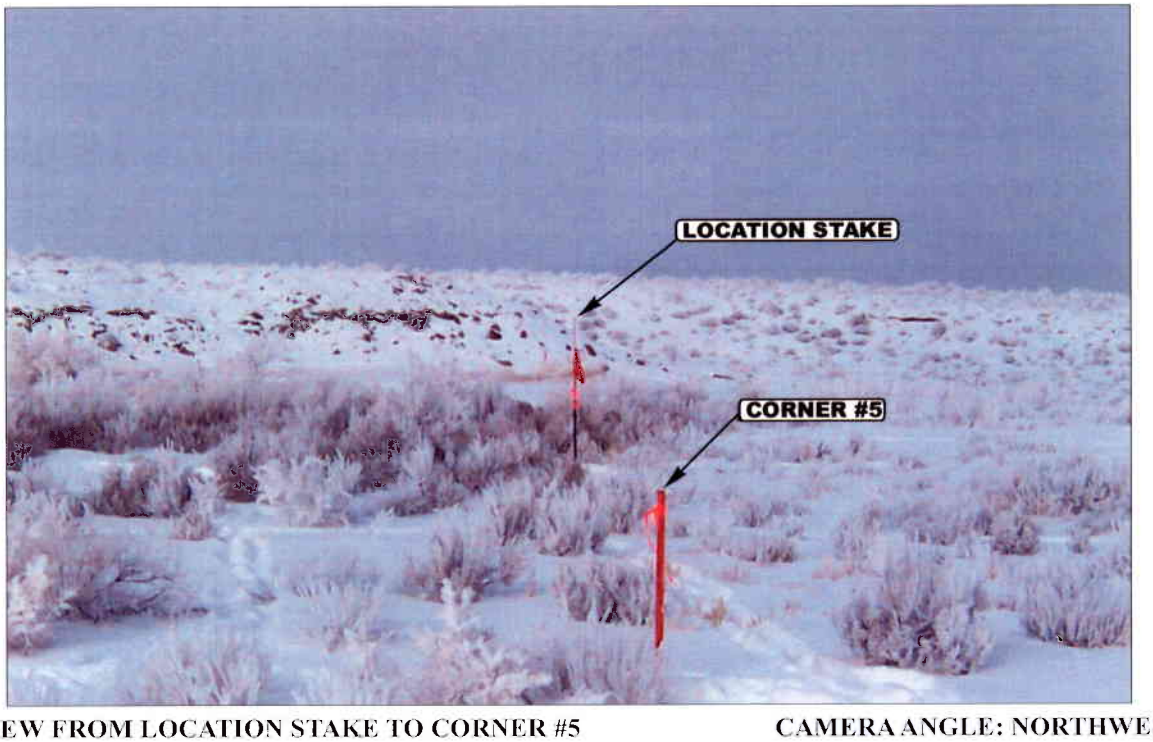
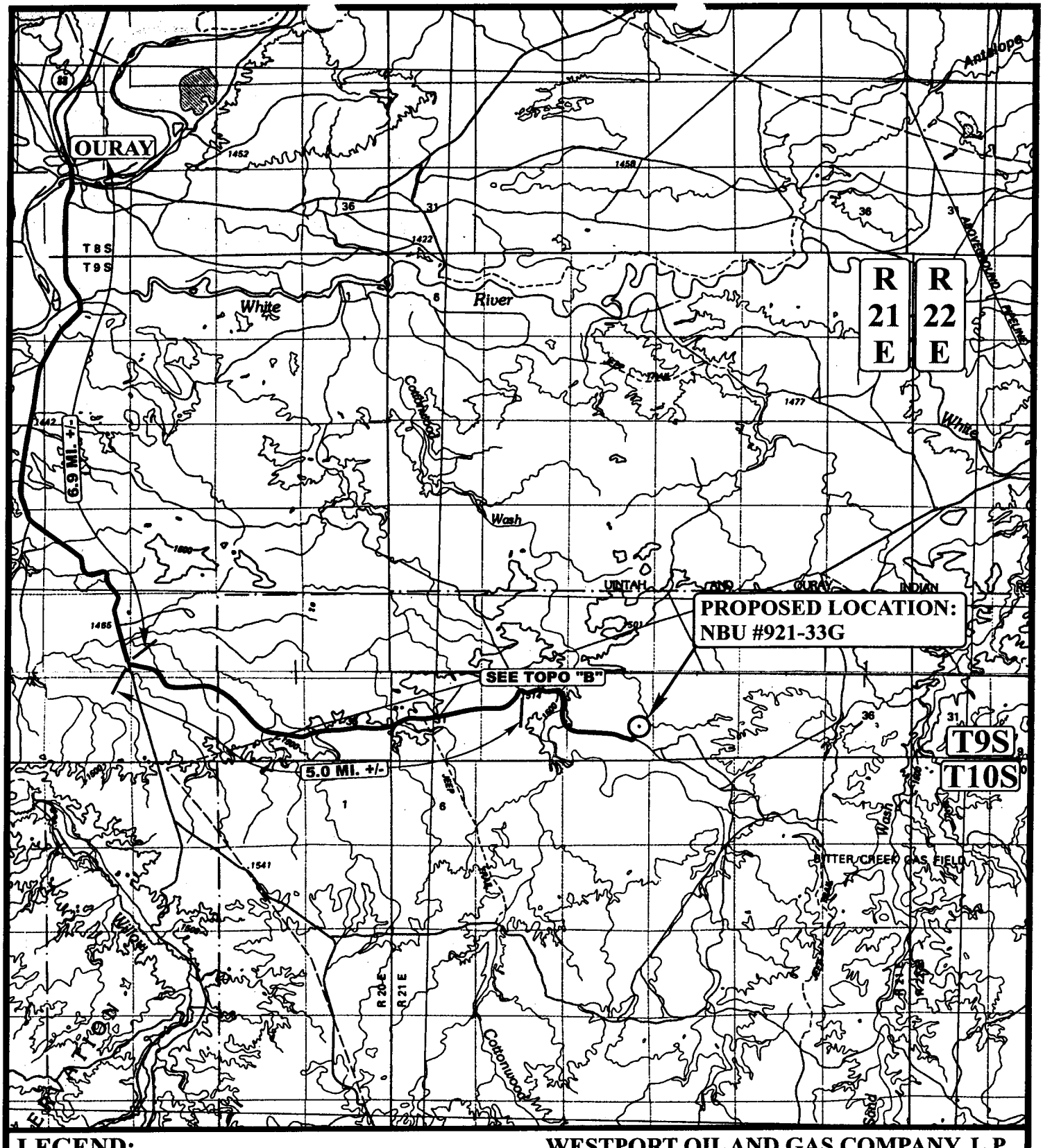


PHOTO: VIEW FROM LOCATION STAKE TO CORNER #5 **CAMERA ANGLE: NORTHWESTERLY**

PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS **CAMERA ANGLE: NORTHERLY**

- Since 1964 -
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

LOCATION PHOTOS	01 MONTH	13 DAY	05 YEAR	PHOTO
TAKEN BY: D.K.	DRAWN BY: L.K.	REVISED: 00-00-00		



LEGEND:

⊙ PROPOSED LOCATION

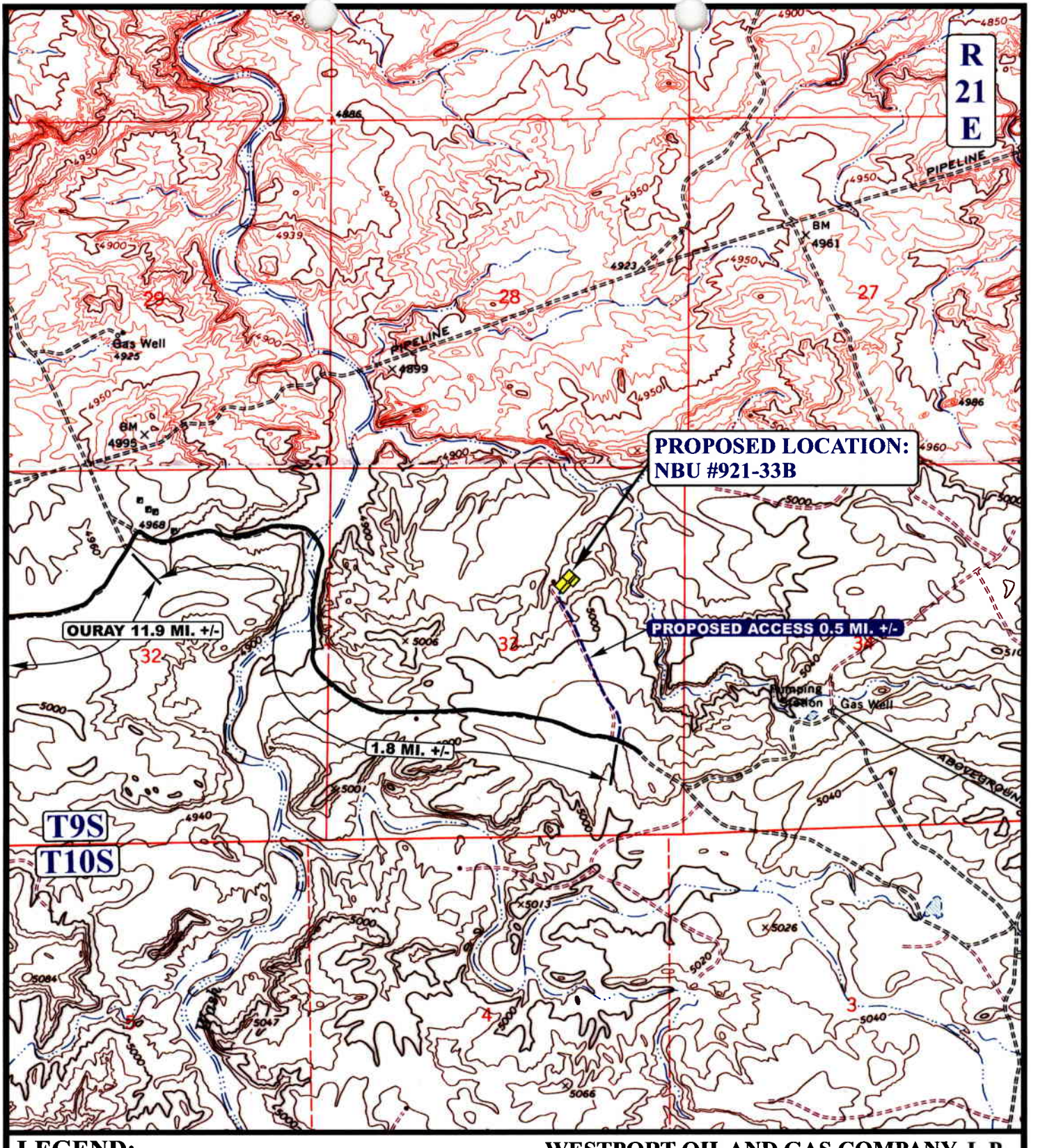
N

WESTPORT OIL AND GAS COMPANY, L.P.

NBU #921-33G
SECTION 33, T9S, R21E, S.L.B.&M.
1713' FNL 1754' FEL

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	01 MONTH	13 DAY	05 YEAR	A TOPO
SCALE: 1:100,000	DRAWN BY: L.K.	REVISED: 00-00-00		



LEGEND:

EXISTING ROAD

PROPOSED ACCESS ROAD

N

WESTPORT OIL AND GAS COMPANY, L.P.

NBU #921-33G
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85 South 200 East Vernal, Utah 84078
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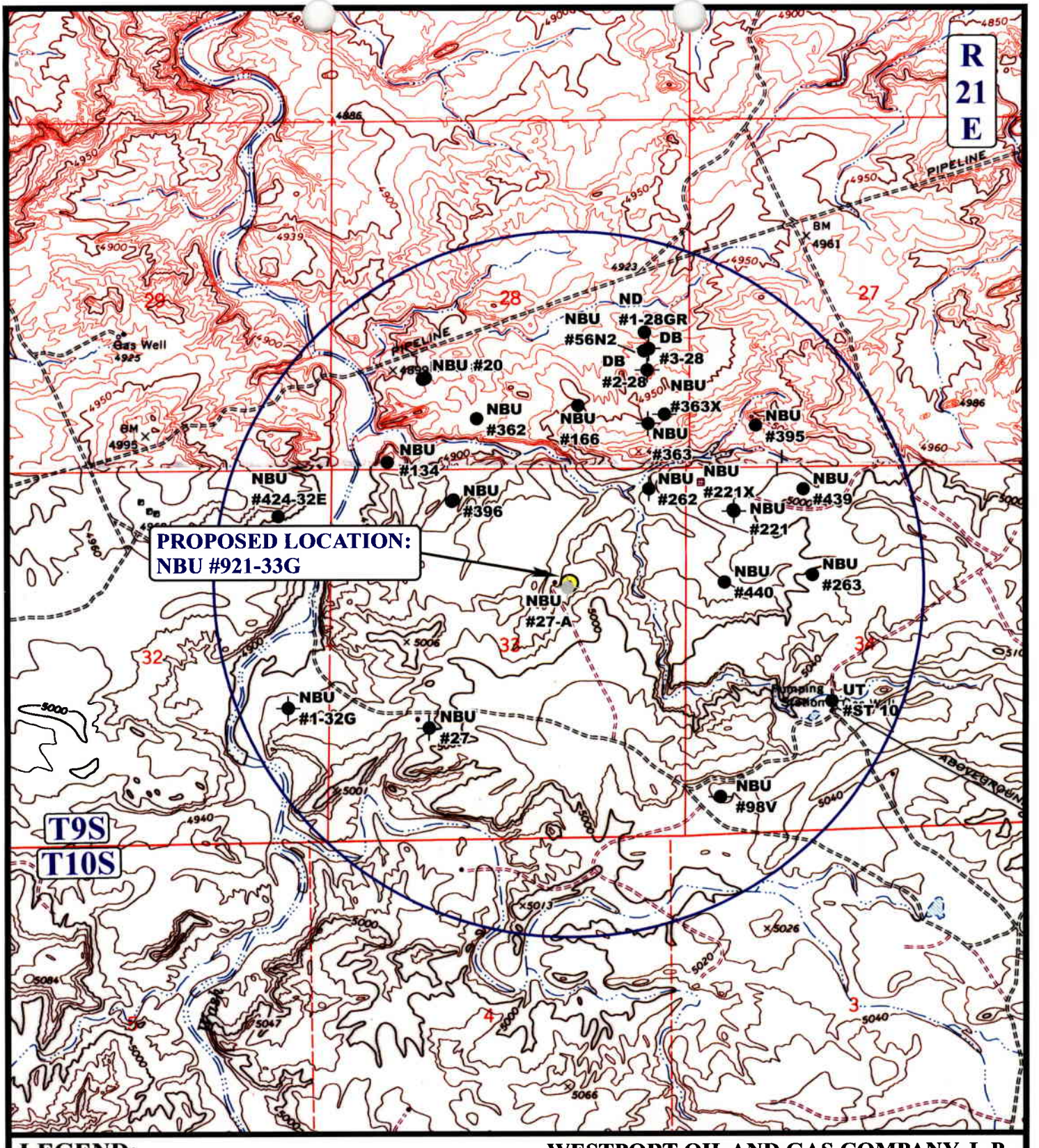
TOPOGRAPHIC MAP	01 MONTH	13 DAY	05 YEAR	B TOPO
SCALE: 1" = 2000'	DRAWN BY: L.K.	REVISED: 00-00-00		



LEGEND:

- DISPOSAL WELLS
- PRODUCING WELLS
- SHUT IN WELLS
- WATER WELLS
- ABANDONED WELLS
- TEMPORARILY ABANDONED

N

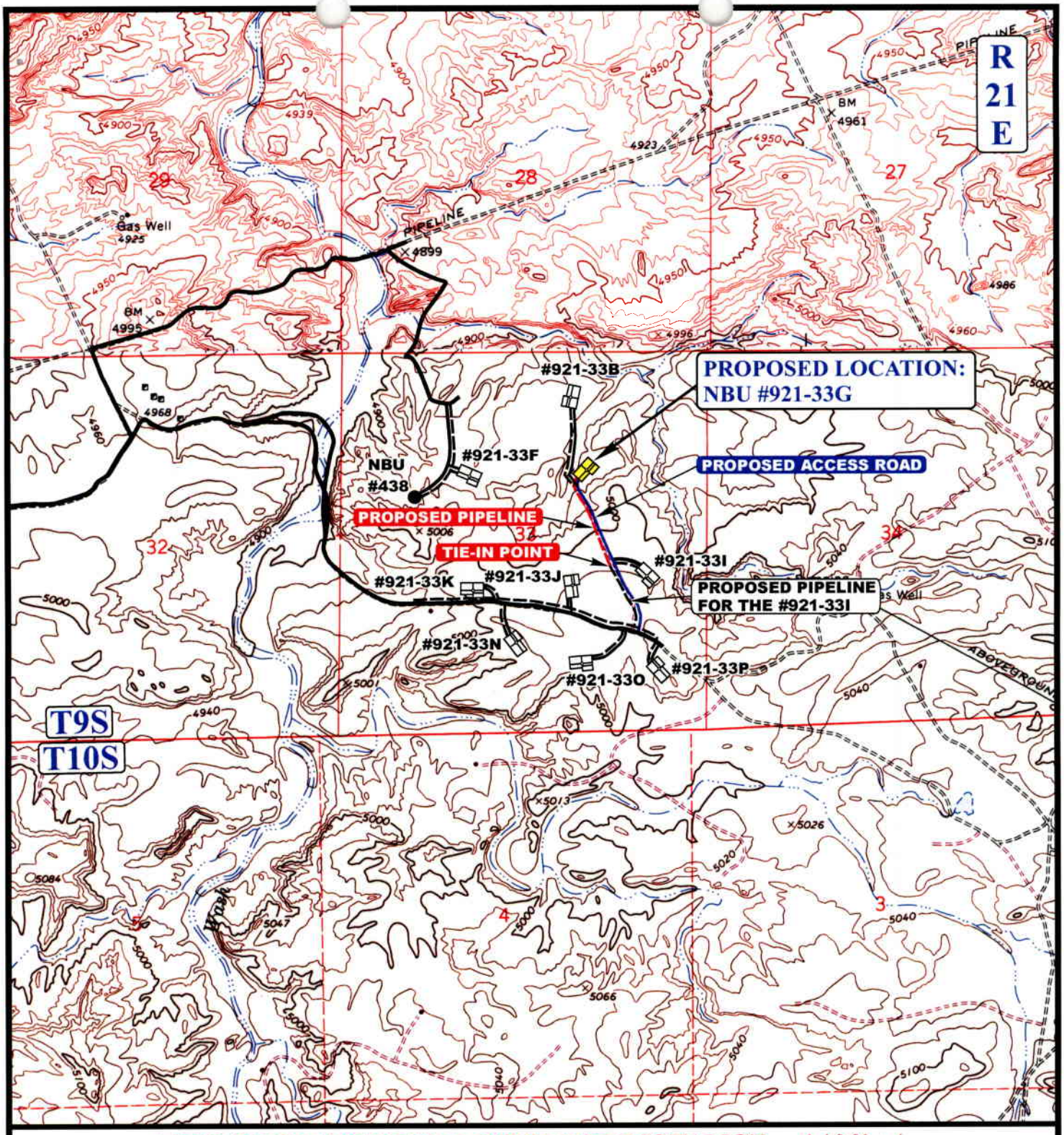
WESTPORT OIL AND GAS COMPANY, L.P.

NBU #921-33G
SECTION 33, T9S, R21E, S.L.B.&M.
1713' FNL 1754' FEL

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP | 01 MONTH | 13 DAY | 05 YEAR | C TOPO

SCALE: 1" = 2000' | DRAWN BY: L.K. | REVISED: 00-00-00



APPROXIMATE TOTAL PIPELINE DISTANCE = 1400' +/-

LEGEND:

PROPOSED ACCESS ROAD
EXISTING PIPELINE
PROPOSED PIPELINE

N

WESTPORT OIL AND GAS COMPANY, L.P.

NBU #921-33G
SECTION 33, T9S, R21E, S.L.B.&M.
1713' FNL 1754' FEL

Uintah Engineering & Land Surveying
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(435) 789-1017 * FAX (435) 789-1813

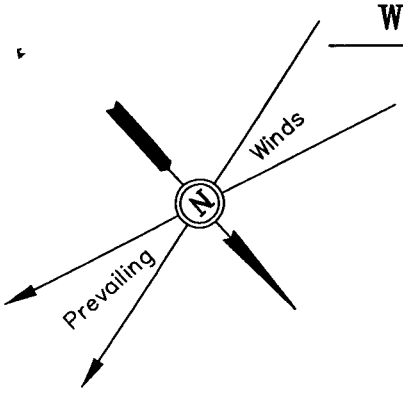
TOPOGRAPHIC MAP	01 MONTH	13 DAY	05 YEAR	D TOPO
SCALE: 1" = 2000'	DRAWN BY: L.K.	REVISED: 00-00-00		

WESTPORT OIL AND GAS COMPANY, L.P.

FIGURE #1

LOCATION LAYOUT FOR

NBU #921-33G
SECTION 33, T9S, R21E, S.L.B.&M.
1713' FNL 1754' FEL



SCALE: 1" = 50'
DATE: 1-18-05
Drawn By: E.C.O.

NOTE:
Flare Pit is to be located a min. of 100' from the Well Head.

C-2.0'
El. 50.2'

Proposed Access Road

F-3.3'
El. 44.9'

Sta. 3+50

C-1.5'
El. 49.7'

200'

Topsoil Stockpile

Approx. Top of Cut Slope

FLARE PIT

Pit Topsoil

C-1.9'
El. 50.1'

Blooie Line

PIPE TUBS

CATWALK

PIPE RACKS

L.C.

C-0.5'
El. 48.7'

F-1.1'
El. 47.1'

RIG

135'

Sta. 1+50

58'

El. 54.7'
C-16.5'
(btm. pit)

100'

MUD TANKS

DOG HOUSE

TOILET

TRAILER

LIGHT PLANT

BOILER

COMPRESSOR

WATER TANK

PUMP HOUSE

BOOSTER

RESERVE PITS
(10' Deep)

Reserve Pit Backfill & Spoils Stockpile

15' WIDE BENCH

150'

1 1/2:1 Slope

Total Pit Capacity
W/2' of Freeboard
= 15,490 Bbls. ±
Total Pit Volume
= 4,280 Cu. Yds.

TRASH

Sta. 0+50

Existing Drainage

Existing Drainage

Round Corners as Needed

PROPANE STORAGE

El. 55.0'
C-16.8'
(btm. pit)

Sta. 0+00

C-2.2'
El. 50.4'

F-0.1'
El. 48.1'

Approx. Toe of Fill Slope

F-6.7'
El. 41.5'

NOTES:

Elev. Ungraded Ground At Loc. Stake = 4948.7'

FINISHED GRADE ELEV. AT LOC. STAKE = 4948.2'

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85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

WESTPORT OIL AND GAS COMPANY, L.P.

FIGURE #2

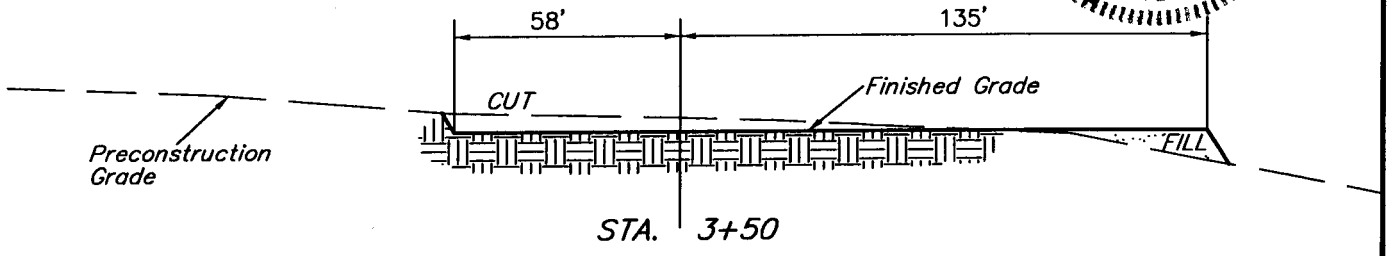
TYPICAL CROSS SECTIONS FOR

NBU #921-33G
SECTION 33, T9S, R21E, S.L.B.&M.
1713' FNL 1754' FEL

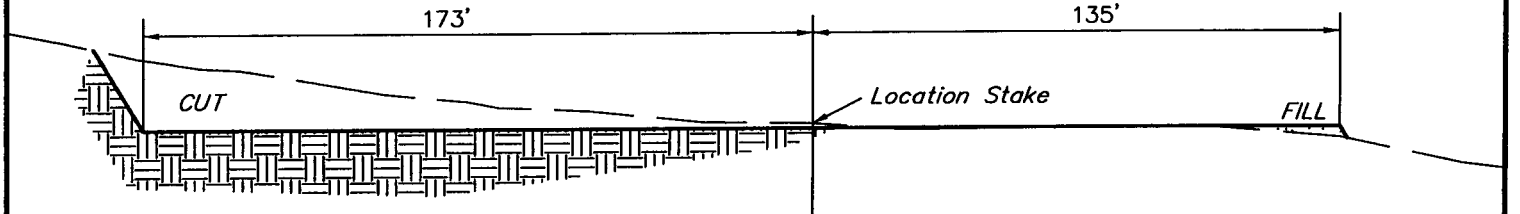
1" = 20' X-Section Scale
1" = 50'

DATE: 1-18-05
Drawn By: E.C.O.

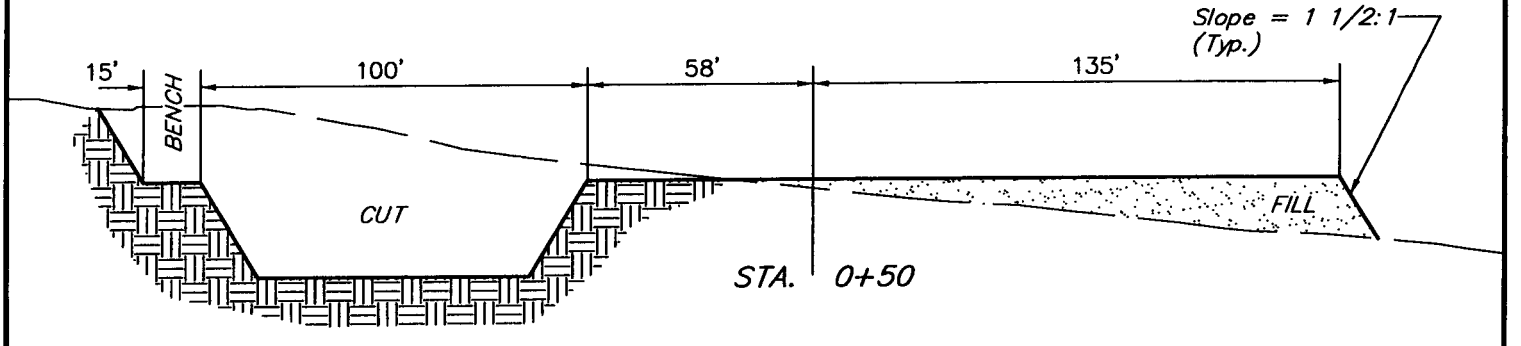
REGISTERED LAND SURVEYOR No. 161319 ROBERT KAY STATE OF UTAH



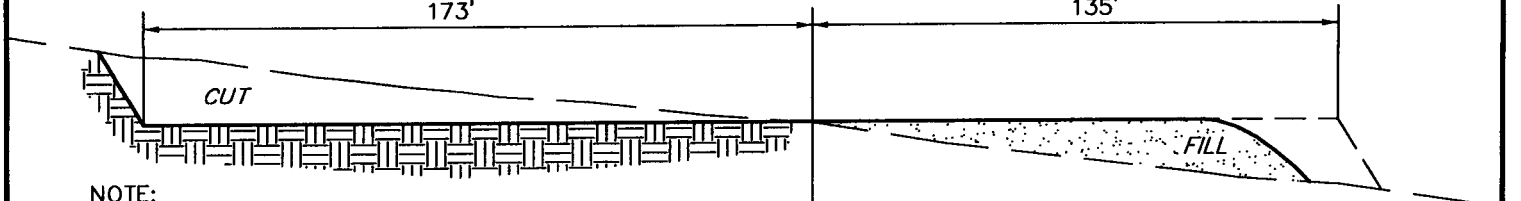
STA. 3+50



STA. 1+50



STA. 0+50



STA. 0+00

NOTE:
Topsoil should not be Stripped Below Finished Grade on Substructure Area.

* NOTE:
FILL QUANTITY INCLUDES 5% FOR COMPACTION

APPROXIMATE YARDAGES

CUT
(6") Topsoil Stripping = 1,830 Cu. Yds.
Remaining Location = 9,030 Cu. Yds.

TOTAL CUT = 10,860 CU.YDS.
FILL = 3,340 CU.YDS.

EXCESS MATERIAL = 7,520 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.) = 3,970 Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation) = 3,550 Cu. Yds.

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

003

WORKSHEET

APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 03/15/2005

API NO. ASSIGNED: 43-047-36392

WELL NAME: NBU 921-33G

OPERATOR: WESTPORT OIL & GAS CO (N2115)

CONTACT: DEBRA DOMENICI

PHONE NUMBER: 435-781-7060

PROPOSED LOCATION:

SWNE 33 090S 210E

SURFACE: 1713 FNL 1754 FEL

BOTTOM: 1713 FNL 1754 FEL

UINTAH

NATURAL BUTTES (630)

LEASE TYPE: 3 - State

LEASE NUMBER: STUO-015630-ST

SURFACE OWNER: 3 - State

PROPOSED FORMATION: WSMVD

COALBED METHANE WELL? NO

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering	DKD	5/9/05
Geology		
Surface		

LATITUDE: 39.99505

LONGITUDE: -109.5528

RECEIVED AND/OR REVIEWED:

✓ Plat

✓ Bond: Fed[] Ind[] Sta[] Fee[]
(No. RLB0005236)

N Potash (Y/N)

Y Oil Shale 190-5 (B) or 190-3 or 190-13

✓ Water Permit
(No. 43-8496)

N RDCC Review (Y/N)
(Date:)

N/A Fee Surf Agreement (Y/N)

LOCATION AND SITING:

___ R649-2-3.

Unit NATURAL BUTTES

___ R649-2-2. General
Siting: 460 From Qtr/Qtr & 920' Between Wells

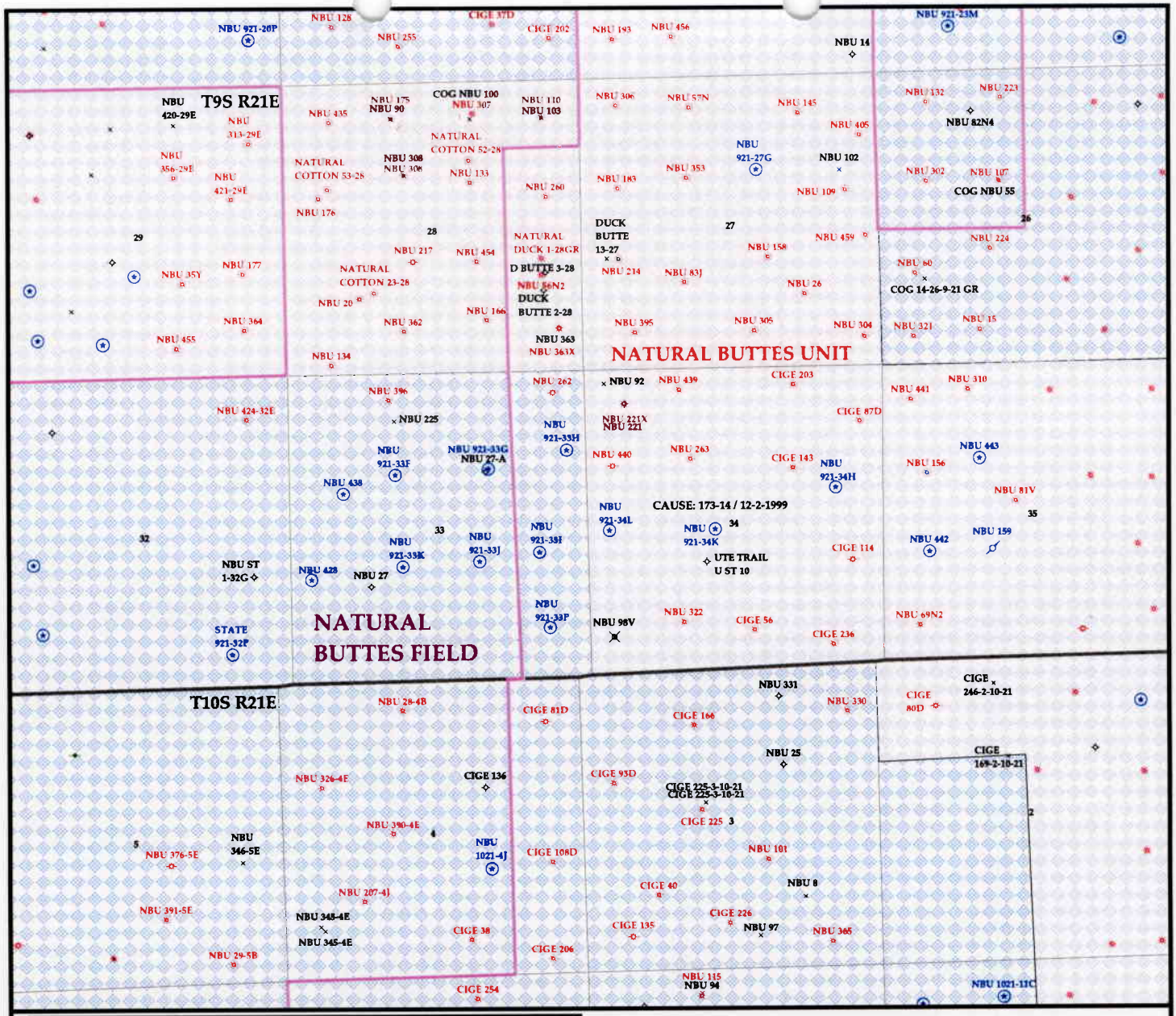
___ R649-3-3. Exception

✓ Drilling Unit
Board Cause No: 173-14
Eff Date: 12-2-1999
Siting: 460' fr u bdrys & uncomm. tract

___ R649-3-11. Directional Drill

COMMENTS: Needs Presite (3/30/05 DJ.)

STIPULATIONS: (1) Oil Shale
2- STATEMENT OF BASIS



OPERATOR- WESTPORT O&G CO (N2115)

SEC. 33 & 34 T.9S R.21E

FIELD: NATURAL BUTTES (630)

COUNTY: UINTAH

CAUSE: 173-14 / 12-2-1999

Wells

- GAS INJECTION
- GAS STORAGE
- LOCATION ABANDONED
- NEW LOCATION
- PLUGGED & ABANDONED
- PRODUCING GAS
- PRODUCING OIL
- SHUT-IN GAS
- SHUT-IN OIL
- TEMP. ABANDONED
- TEST WELL
- WATER INJECTION
- WATER SUPPLY
- WATER DISPOSAL

Units.shp

- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

Fields.shp

- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED

Utah Oil Gas and Mining

N
W E
S

PREPARED BY: DIANA WHITNEY
DATE: 17-MARCH-2005

ON-SITE PREDRILL EVALUATION
Division of Oil, Gas and Mining

OPERATOR: WESPORT OIL AND GAS COMPANY, L.P.
WELL NAME & NUMBER: NBU 921-33G
API NUMBER: 43-047-36392
LEASE: STUO-015630-ST **FIELD/UNIT**: Natural Buttes

LOCATION: **1/4,1/4** SENW **Sec**: 33 **TWP**: 9S **RNG**: 21E 1754' FEL 1713' FNL
LEGAL WELL SITING: 460 from the unit boundary or uncommitted tracts.
GPS COORD (UTM): GPS not working **SURFACE OWNER**: STATE OF UTAH

PARTICIPANTS

Dan J. Jarvis (DOGM), DEBRA DOMENICI (WESTPORT). Robert KAY (UELS).

REGIONAL/LOCAL SETTING & TOPOGRAPHY

The regional setting is generally badlands type topography. Flat mesas with deep cut washes and draws are the predominate features. This site is an area of low rolling hills and shallow draws. No major drainages are in the immediate area of the location. Ouray Utah is approximately 17 miles to the northwest of the location. Cottonwood wash is the major drainage in the area and is approximately 1 mile away. Cottonwood wash is a dry watercourse for most of the year.

SURFACE USE PLAN

CURRENT SURFACE USE: Wildlife and livestock grazeing and sport hunting.

PROPOSED SURFACE DISTURBANCE: location will be 350'by 293'. Approximately .5 mile of new access road will be built.

LOCATION OF EXISTING WELLS WITHIN A 1 MILE RADIUS: See attached map from GIS Database.

LOCATION OF PRODUCTION FACILITIES AND PIPELINES: All production facilities will be on location and constructed after drilling the well. The pipeline will follow the access road.

SOURCE OF CONSTRUCTION MATERIAL: All construction material will be borrowed from site during the construction of the location.

ANCILLARY FACILITIES: None will be required.

WILL DRILLING AT THIS LOCATION GENERATE PUBLIC INTEREST OR CONCERNS? (EXPLAIN): UNLIKELY.

WASTE MANAGEMENT PLAN:

Drilled cuttings will be allowed to settle to the bottom of the reserve pit. Liquids from the pit will be allowed to evaporate. Formation water will be confined to storage tanks. Sewage facilities, storage and

general waste disposal will be handled by a commercial contactor. Trash will be contained in trash baskets and hauled to an approved landfill.

ENVIRONMENTAL PARAMETERS

AFFECTED FLOODPLAINS AND/OR WETLANDS: None

FLORA/FAUNA: Sagebrush, Shad scale, Prickly Pear, Cheat Grass, Antelope, Coyotes, Songbirds, Raptors, Rodents, Rabbits.

SOIL TYPE AND CHARACTERISTICS: Light brown sandy clay.
SURFACE FORMATION AND CHARACTERISTICS: Uinta formation consisting of shales and sandstones. There are no ledges or outcrops on this location, the surface formation in very close to the surace, this location will be built on an existing PA well site. The pit will be on new constuction.
EROSION/SEDIMENTATION/STABILITY: Very little natural erosion. Sedimentation and stability are not a problem. Construction of the location will not increase any erosion problems.

PALEONTOLOGICAL POTENTIAL: None observed

RESERVE PIT

CHARACTERISTICS: 100' BY 150' AND 10' DEEP.

LINER REQUIREMENTS (Site Ranking Form attached): A plastic liner will be required based on the ranking form, Westport will line the pit with felt and a 20 mil liner as per company policy.

SURFACE RESTORATION/RECLAMATION PLAN

As per SITLA.

SURFACE AGREEMENT: As per SITLA.

CULTURAL RESOURCES/ARCHAEOLOGY: The site has been surveyed by an archeological consulting firm. No archeological sites were found. A report of this investigation will be placed on file.

OTHER OBSERVATIONS/COMMENTS

This presite was conducted on a partly cloudy day with a light breeze. The ground was clear of all snow cover.

ATTACHMENTS

Photo taken and placed in file.

Dan Jarvis 4/5/2005
DOGM REPRESENTATIVE DATE

Evaluation Ranking Criteria and Ranking Score
For Reserve and Onsite Pit Liner Requirements

Site-Specific Factors	Ranking	Site Ranking
Distance to Groundwater (feet)		
>200	0	
100 to 200	5	
75 to 100	10	
25 to 75	15	
<25 or recharge area	20	5
Distance to Surf. Water (feet)		
>1000	0	
300 to 1000	2	
200 to 300	10	
100 to 200	15	
< 100	20	0
Distance to Nearest Municipal Well (feet)		
>5280	0	
1320 to 5280	5	
500 to 1320	10	
<500	20	0
Distance to Other Wells (feet)		
>1320	0	
300 to 1320	10	
<300	20	0
Native Soil Type		
Low permeability	0	
Mod. permeability	10	
High permeability	20	10
Fluid Type		
Air/mist	0	
Fresh Water	5	
TDS >5000 and <10000	10	
TDS >10000 or Oil Base Mud Fluid containing significant levels of hazardous constituents	15 20	5
Drill Cuttings		
Normal Rock	0	
Salt or detrimental	10	0
Annual Precipitation (inches)		
<10	0	
10 to 20	5	
>20	10	0
Affected Populations		
<10	0	
10 to 30	6	
30 to 50	8	
>50	10	0
Presence of Nearby Utility Conduits		
Not Present	0	
Unknown	10	
Present	15	0

Final Score 20 (Level III Sensitivity)

Sensitivity Level I = 20 or more; total containment is required.
Sensitivity Level II = 15-19; lining is discretionary.
Sensitivity Level III = below 15; no specific lining is required.

DIVISION OF OIL, GAS AND MINING
APPLICATION FOR PERMIT TO DRILL
STATEMENT OF BASIS

OPERATOR: WESTPORT OIL AND GAS COMPANY, L.P.
WELL NAME & NUMBER: NBU 921-33H
API NUMBER: 43-047-36392
LOCATION: 1/4,1/4 SW/NE Sec: 33 TWP: 9S RNG: 21E 1754' FEL 1713' FNL

Geology/Ground Water:

Westport proposes to set 2,500' of surface casing at this location. The depth to the base of the moderately saline water at this location is estimated to be at a depth of 3,400'. A search of Division of Water Rights records shows no water wells within a 10,000 foot radius of the center of Section 33. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water..

Reviewer: Dan Jarvis **Date:** 4/5/2005

Surface:

The predrill investigation of the surface was performed on 4/30/2005. Floyd Bartlett with DWR and Ed Bonner with SITLA were invited to this investigation on 3/22/05. Neither agency were in attendance. . This site is on State surface with State minerals. This site appears to be the best site for a location in the immediate area. .

Reviewer: Dan Jarvis **Date:** 4/5/2005

Conditions of Approval/Application for Permit to Drill:

1. A synthetic liner with a minimum thickness of 20 mils and a felt subliner shall be properly installed and maintained in the reserve pit.
2. The entire pad shall be bermed to prevent any fluids from leaving the location.

From: Ed Bonner
To: Whitney, Diana
Date: 4/6/2005 4:10:32 PM
Subject: Well Clearance

The following wells have been given cultural resource clearance by the Trust Lands Cultural Resources Group:

Westport Oil & Gas Company
- NBU 921-33F
- NBU 921-33G
- NBU 921-33I
- NBU 921-33J
- NBU 921-33K
- NBU 921-33P
- NBU 921-34H
- NBU 921-34K
- NBU 921-34L
- NBU 1022-12I
- NBU 1022-12P
- State 1021-36A
- State 1021-36B
- State 1021-36G
- State 1021-36H
- State 1021-36I
- State 1021-36J
- State 1021-36O
- State 1021-36P

If you have any questions regarding this matter please give me a call.

CC: Garrison, LaVonne; Hill, Brad; Hunt, Gil

Clinton Dworshak - Westport APD(s)

From: "Upchego, Sheila" <SUpchego@kmg.com>
To: <clintondworshak@utah.gov>
Date: 4/21/2005 4:27 PM
Subject: Westport APD(s)

Hi Clint, attached are the revised Downhole diagrams for the following well locations:

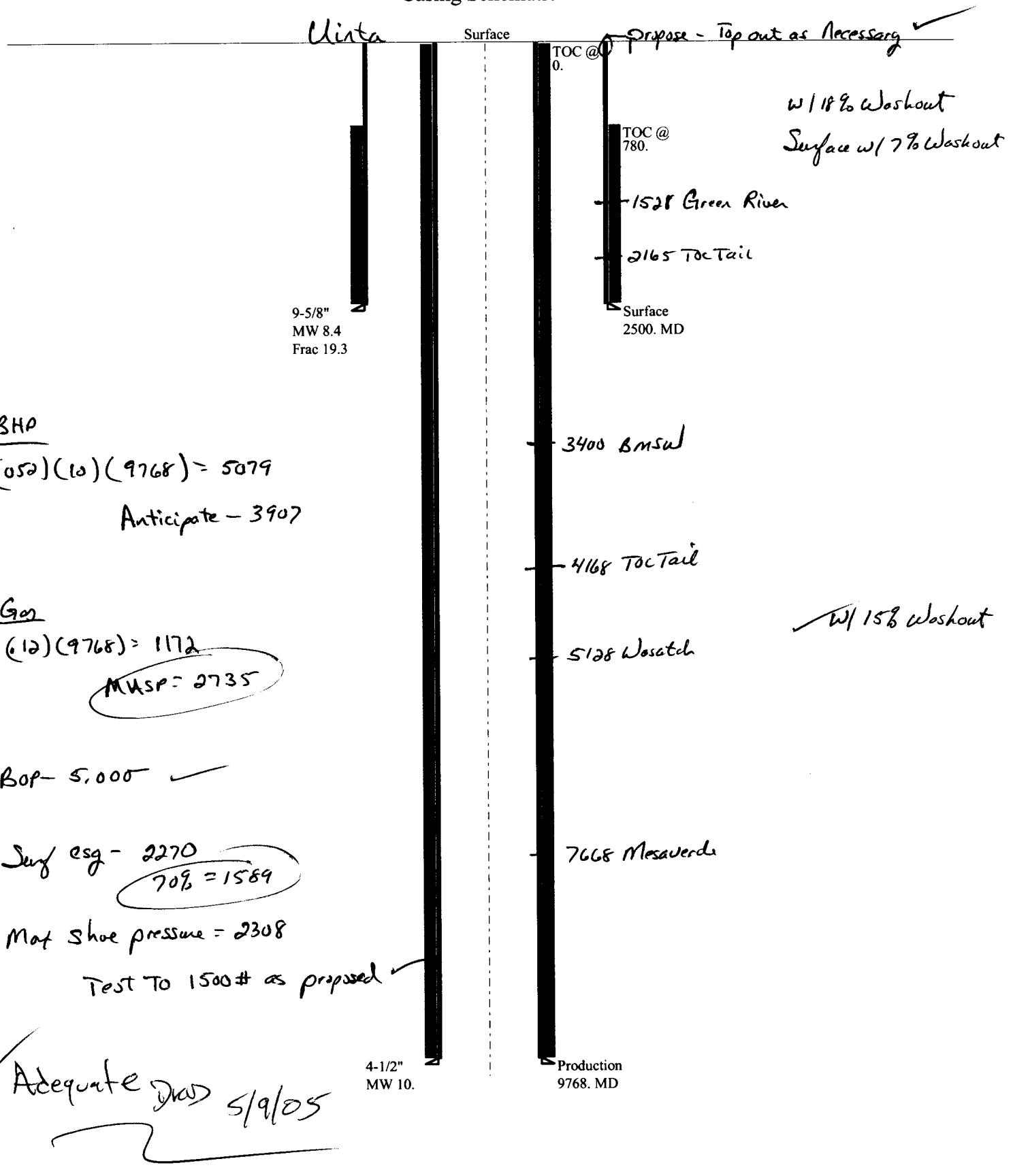
NBU 921-33F, 921-33G, 921-33I, 921-33J, 921-33K, 921-33P, 921-33O, 921-33N;
NBU 921-34H, 921-34K, 921-34L;
NBU 922-36B

If you have any questions please feel free to contact me at (435) 781-7024 or Brad Laney at (435) 781-7031.

Sheila Upchego <<NBU921-33F_APD(pipeline).xls>> <<NBU921-33G_APD(pipeline).xls>> <<NBU921-33I_APD(pipeline).xls>> <<NBU921-33J_APD(pipeline).xls>> <<NBU921-33K_APD(pipeline).xls>> <<NBU921-33P_APD(pipeline).xls>> <<NBU921-34H_APD(pipeline).xls>> <<NBU921-34K_APD(pipeline).xls>> <<NBU921-34L_APD(pipeline).xls>> <<NBU921-33O_APD(pipeline).xls>> <<NBU921-33N_APD(pipeline).xls>> <<NBU922-36B_DHD_APD.xls>>

04-05 Westport NBU 921-~~35~~G

Casing Schematic



BHP

(.052)(10)(9768) = 5079

Anticipate – 3907

Gas

(.12)(9768) = 1172

MASP = 2735

BOP – 5,000

Surf csg – 2270

70% = 1589

Mat Shoe pressure = 2308

Test To 1500# as proposed

Adequate DKD 5/9/05

Well name:	**04-05 Westport NBU 921-33G**
Operator:	**Westport Oil & Gas**
String type:	Surface
Project ID:	43-047-36392
Location:	Uintah County

Design parameters:

Collapse
Mud weight: 8.400 ppg
Design is based on evacuated pipe.

Burst
Max anticipated surface pressure: 2,200 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 2,500 psi

No backup mud specified.

Minimum design factors:

Collapse:
Design factor 1.125

Burst:
Design factor 1.00

Tension:
8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on buoyed weight.
Neutral point: 2,218 ft

Environment:
H2S considered? No
Surface temperature: 75 °F
Bottom hole temperature: 110 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,500 ft

Cement top: 780 ft

Non-directional string.

Re subsequent strings:
Next setting depth: 9,815 ft
Next mud weight: 10.000 ppg
Next setting BHP: 5,099 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 2,500 ft
Injection pressure 2,500 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft^3)
2	2100	9.625	32.30	H-40	ST&C	2100	2100	8.876	133.1
1	400	9.625	36.00	J-55	ST&C	2500	2500	8.796	28.5

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
2	916	1368	1.492	2452	2270	0.93	72	254	3.52 J
1	1091	2020	1.852	2500	3520	1.41	4	394	92.81 J

Prepared by: Clinton Dworshak, Utah Div. of Oil & Mining
Phone: 801-538-5280
FAX: 801-359-3940
Date: April 22,2005
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 2500 ft, a mud weight of 8.4 ppg The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Well name:	**04-05 Westport NBU 921-33G**
Operator:	**Westport Oil & Gas**
String type:	Production
Location:	Uintah County
Project ID:	43-047-36392

Design parameters:

Collapse
Mud weight: 10.000 ppg
Design is based on evacuated pipe.

Burst
Max anticipated surface pressure: 1,778 psi
Internal gradient: 0.337 psi/ft
Calculated BHP 5,074 psi

No backup mud specified.

Minimum design factors:

Collapse:
Design factor 1.125

Burst:
Design factor 1.00

Tension:
8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on buoyed weight.
Neutral point: 8,308 ft

Environment:
H2S considered? No
Surface temperature: 75 °F
Bottom hole temperature: 212 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,500 ft

Cement top: Surface

Non-directional string.

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	9768	4.5	11.60	N-80	LT&C	9768	9768	3.875	226.4

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	5074	6350	1.251	5074	7780	1.53	96	223	2.31 J

Prepared by: Clinton Dworshak, Utah Div. of Oil & Mining
Phone: 801-538-5280
FAX: 801-359-3940
Date: April 22,2005
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 9768 ft, a mud weight of 10 ppg The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

004

State of Utah

Department of Natural Resources

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas & Mining

JOHN R. BAZA
Division Director

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

May 10, 2005

Westport Oil & Gas Company, LP
1368 South 1200 East
Vernal, Utah 84078

Re: Natural Buttes Unit 921-33G Well, 1713' FNL, 1754' FEL, SW NE, Sec. 33, T. 9 South, R. 21 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-36392.

Sincerely,

Gil Hunt
Acting Associate Director

pab
Enclosures

cc: Uintah County Assessor
SITLA
Bureau of Land Management, Vernal District Office

Operator: Westport Oil & Gas Company, LP

Well Name & Number Natural Buttes Unit 921-33G

API Number: 43-047-36392

Lease: STUO-015630-ST

Location: SW NE **Sec.** 33 **T.** 9 South **R.** 21 East

Conditions of Approval

1. **General**
   Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. **Notification Requirements**
   The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:
   - 24 hours prior to cementing or testing casing
   - 24 hours prior to testing blowout prevention equipment
   - 24 hours prior to spudding the well
   - within 24 hours of any emergency changes made to the approved drilling program
   - prior to commencing operations to plug and abandon the well

   The following are Division of Oil, Gas and Mining contacts and their work telephone numbers (please leave a voice mail message if the person is not available to take the call):
   - Dan Jarvis at (801) 538-5338
   - Carol Daniels at (801) 538-5284 (spud)

3. **Reporting Requirements**
   All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical or paleontological remains be encountered during your operations, you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.

5. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)

6. In accordance with Order in Cause No. 190-5(b) dated October 28, 1982, the Operator shall comply with requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operator shall ensure that the surface and/or production casing is properly cemented over the entire oil shale interval as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the Division.

United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Vernal District Office
170 South 500 East
Vernal, Utah 84078-2799

Phone: (801) 781-4400
Fax: (801) 781-4410

IN REPLY REFER TO:
3160
UT08300

July 11, 2005

Westport Oil & Gas Company
ATTN: Debra Domenici
P.O. Box 1148
Vernal, Utah 84078

RE: Application for Permit to Drill
Well No.: NBU 921-33G
SWNE, Sec. 33, T9S, R21E
Natural Buttes Unit
API No. 43-047-36392

Dear Ms. Domenici:

Enclosed is your copy for the above referenced APD that we accepted for "Unit Purposes Only".

If you have any questions, please contact me at (435) 781-4429.

Sincerely,

Johnetta Magee
Legal Instruments Examiner

Enclosure
bcc: Well File
Reading File
Division of Oil-Gas-Mining

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

RECEIVED
APR 17 2006

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER:	STUO-015630-ST
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
7. UNIT or CA AGREEMENT NAME:	NATURAL BUTTES UNIT
1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER	8. WELL NAME and NUMBER: NBU 921-33G
2. NAME OF OPERATOR: KERR MCGEE OIL AND GAS ONSHORE LP	9. API NUMBER: 4304736392
3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST CITY VERNAL STATE UT ZIP 84078	PHONE NUMBER: (435) 781-7003
	10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 1713' FNL 1754' FEL

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNE 33 9S 21E

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☑ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start: _____	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☐ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
_____	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: DOGM APD EXTENSION
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

THE OPERATOR REQUESTS AUTHORIZATION FOR AN ONE YEAR EXTENSION FOR THE SUBJECT WELL LOCATION. SO THAT THE DRILLING OPERATIONS MAY BE COMPLETED. THE ORIGINAL APD WAS APPROVED BY THE BUREAU OF LAND MANAGEMENT ON MAY 10, 2005.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

NAME (PLEASE PRINT) RAMEY HOOPES TITLE REGULATORY CLERK

SIGNATURE Ramey Hoopes DATE 4/11/2006

(This space for State use only)

ACCEPTED BY BLM FOR UNIT PURPOSES ONLY

MAY - 2 2006

UDOGM

(See Instructions on Reverse Side)

MAY 08 2006

Division of Oil, Gas and Mining

OPERATOR CHANGE WORKSHEET

ROUTING
1. DJJ
2. CDW

X Change of Operator (Well Sold) Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective: **1/6/2006**

FROM: (Old Operator):	**TO:** (New Operator):
N2115-Westport Oil & Gas Co., LP	N2995-Kerr-McGee Oil & Gas Onshore, LP
1368 South 1200 East	1368 South 1200 East
Vernal, UT 84078	Vernal, UT 84078
Phone: 1-(435) 781-7024	Phone: 1-(435) 781-7024

CA No. **Unit:** **NATURAL BUTTES UNIT**

WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 5/10/2006
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 5/10/2006
3. The new company was checked on the **Department of Commerce, Division of Corporations Database on:** 3/7/2006
4a. Is the new operator registered in the State of Utah: YES Business Number: 1355743-0181
4b. If **NO**, the operator was contacted contacted on:
5a. (R649-9-2)Waste Management Plan has been received on: IN PLACE
5b. Inspections of LA PA state/fee well sites complete on: n/a 3 LA wells & all PA wells transferred
5c. Reports current for Production/Disposition & Sundries on: ok

6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM 3/27/2006 BIA not yet
7. **Federal and Indian Units:** The BLM or BIA has approved the successor of unit operator for wells listed on: 3/27/2006
8. **Federal and Indian Communization Agreements ("CA"):** The BLM or BIA has approved the operator for all wells listed within a CA on: n/a
9. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject,** for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on:

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database on:** 5/15/2006
2. Changes have been entered on the **Monthly Operator Change Spread Sheet on:** 5/15/2006
3. Bond information entered in RBDMS on: 5/15/2006
4. Fee/State wells attached to bond in RBDMS on: 5/16/2006
5. Injection Projects to new operator in RBDMS on:
6. Receipt of Acceptance of Drilling Procedures for APD/New on: n/a Name Change Only

BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: CO1203
2. Indian well(s) covered by Bond Number: RLB0005239
3. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number RLB0005236

a. The **FORMER** operator has requested a release of liability from their bond on: n/a rider added KMG
The Division sent response by letter on:

LEASE INTEREST OWNER NOTIFICATION:

4. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 5/16/2006

COMMENTS:

Form 3160-5
(August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires Jnovember 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE – Other instructions on reverse side

5. Lease Serial No.
MULTIPLE LEASES

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No.
MUTIPLE WELLS

2. Name of Operator
KERR-McGEE OIL & GAS ONSHORE LP

9. API Well No.

3a. Address
1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. *(include area code)*
(435) 781-7024

10. Field and Pool, or Exploratory Area

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
SEE ATTACHED

11. County or Parish, State
UINTAH COUNTY, UTAH

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☒ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other CHANGE OF OPERATOR
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

PLEASE BE ADVISED THAT KERR-McGEE OIL & GAS ONSHORE LP, IS CONSIDERED TO BE THE OPERATOR OF THE ATTACHED WELL LOCATIONS. EFFECTIVE JANUARY 6, 2006.
KERR-McGEE OIL & GAS ONSHORE LP, IS RESPONSIBLE UNDER TERMS AND CONDITIONS OF THE LEASE(S) FOR THE OPERATIONS CONDUCTED UPON LEASE LANDS. BOND COVERAGE IS PROVIDED BY STATE OF UTAH NATIONWIDE BOND NO. RLB0005237.

RECEIVED
MAY 1 0 2006
DIV. OF OIL, GAS & MINING

BLM BOND = CO1203
BIA BOND = RLB0005239

APPROVED 5/16/06
Earlene Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

14. I hereby certify that the foregoing is true and correct

Name *(Printed/Typed)*	Title
RANDY BAYNE	DRILLING MANAGER
Signature	Date
Randy Bayne	May 9, 2006

THIS SPACE FOR FEDERAL OR STATE USE

Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

Form 3160-5
(August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE – Other instructions on reverse side

5. Lease Serial No.
MULTIPLE LEASES

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No.
MUTIPLE WELLS

2. Name of Operator
WESTPORT OIL & GAS COMPANY L.P.

9. API Well No.

3a. Address
1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. *(include area code)*
(435) 781-7024

10. Field and Pool, or Exploratory Area

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
SEE ATTACHED

11. County or Parish, State
UINTAH COUNTY, UTAH

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☒ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other CHANGE OF OPERATOR
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

EFFECTIVE JANUARY 6, 2006, WESTPORT OIL & GAS COMPANY L.P., HAS RELINQUISHED THE OPERATORSHIP OF THE ATTACHED WELL LOCATIONS TO KERR-McGEE OIL & GAS ONSHORE LP.

APPROVED 5/16/06
Earlene Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

RECEIVED
MAY 10 2006
DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct

Name *(Printed/Typed)*	Title
BRAD LANEY	ENGINEERING SPECIALIST
Signature	Date
	May 9, 2006

THIS SPACE FOR FEDERAL OR STATE USE

Approved by	Title	Date
Brad Laney		5-9-06
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

FORM 9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER: STUO-016630-ST

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES UNIT

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER

8. WELL NAME and NUMBER: NBU 921-33G

2. NAME OF OPERATOR: KERR MCGEE OIL AND GAS ONSHORE LP

9. API NUMBER: 4304736392

3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST CITY VERNAL STATE UT ZIP 84078

PHONE NUMBER: (435) 781-7003

10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 1713' FNL 1754' FEL

COUNTY: UINTAH

OTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNE 33 9S 21E

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☑ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start:	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☐ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
Date of work completion:	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: DOGM APD EXTENSION
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

THE OPERATOR REQUESTS AUTHORIZATION FOR AN ONE YEAR EXTENSION FOR THE SUBJECT WELL LOCATION. SO THAT THE DRILLING OPERATIONS MAY BE COMPLETED. THE ORIGINAL APD WAS APPROVED BY THE BUREAU OF LAND MANAGEMENT ON MAY 10, 2005.

Approved by the
Utah Division of
Oil, Gas and Mining
Date: 05-30-06
By:

7-21-06
CHD

NAME (PLEASE PRINT) RAMEY HOOPES TITLE REGULATORY CLERK

SIGNATURE Ramey Hoopes DATE 4/11/2006

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[redacted]

Application for Permit to Drill
Request for Permit Extension
Validation
(this form should accompany the Sundry Notice requesting permit extension)

API: 4304736392
Well Name: NBU 921-33G
Location: NWSE, SEC 33-T9S-R21E
Company Permit Issued to: KERR MCGEE OIL AND GAS ONSHORE LP
Date Original Permit Issued: 5/10/2005

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes☐ No☑

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes☐ No☑

Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes☐ No☑

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes☐ No☑

Has the approved source of water for drilling changed? Yes☐ No☑

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes☐ No☑

Is bonding still in place, which covers this proposed well? Yes☑ No☐

Ramey Hoopes
Signature

4/11/2006
Date

Title: REGULATORY CLERK

Representing: KERR MCGEE OIL AND GAS ONSHORE L

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DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: **KERR-McGEE OIL & GAS ONSHORE LP**

Well Name: **NBU 921-33G**

Api No: **43-047-36392** Lease Type: **STATE**

Section **33** Township **09S** Range **21E** County **UINTAH**

Drilling Contractor **PETE MARTIN** RIG # **BUCKET**

SPUDDED:

Date **09/16/06**

Time **11:00 AM**

How **DRY**

Drilling will Commence:

Reported by **LOU WELDON**

Telephone # **(435) 781-7060**

Date 09/19/06 Signed CHD

FORM 6

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

ENTITY ACTION FORM

Operator: KERR McGEE OIL & GAS ONSHORE LP
Operator Account Number: N 2995
Address: 1368 SOUTH 1200 EAST
city VERNAL
state UT zip 84078
Phone Number: (435) 781-7024

SURFACE = S14 T10S R22E

Well 1

API Number	Well Name	QQ	Sec	Twp	Rng	County
4304737735	NBU 1022-15P-S Bottom	SESE	15	10S	22E	UINTAH

Action Code	Current Entity Number	New Entity Number	Spud Date	Entity Assignment Effective Date
B	99999	2900	9/15/2006	9/21/06

Comments: MIRU PETE MARTIN BUCKET RIG. WSMVD
SPUD WELL LOCATION ON 09/15/2006 AT 1800 HRS.

Well 2

API Number	Well Name	QQ	Sec	Twp	Rng	County
4304736392	NBU 921-33G	SWNE	33	9S	21E	UINTAH

Action Code	Current Entity Number	New Entity Number	Spud Date	Entity Assignment Effective Date
B	99999	2900	9/16/2006	9/21/06

Comments: MIRU PETE MARTIN BUCKET RIG. WSMVD
SPUD WELL LOCATION ON 09/16/2006 AT 1100 HRS.

Well 3

API Number	Well Name	QQ	Sec	Twp	Rng	County
4304736414	STATE 1021-36J	NWSE	36	10S	21E	UINTAH

Action Code	Current Entity Number	New Entity Number	Spud Date	Entity Assignment Effective Date
A	99999	15657	9/14/2006	9/21/06

Comments: MIRU ROCKY MTN BUCKET RIG. WSMVD
SPUD WELL LOCATION ON 09/14/2006 AT 1330 HRS.

ACTION CODES:
- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

SHEILA UPCHEGO
Name (Please Print)
Signature
REGULATORY ANALYST
Title
9/20/2006
Date

(5/2000)

To	Earlene Russell	From	Sheila Upchego
Co./Dept.	UDOGM	Co.	KMG
Phone #	(801) 538-5336	Phone #	(435) 781-7024
Fax #	(801) 359-3940	Fax #	(435) 781-7094

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STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER: STUO-015630-ST

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

7. UNIT or CA AGREEMENT NAME: UNIT #891008900A

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER

8. WELL NAME and NUMBER: NBU 921-33G

2. NAME OF OPERATOR: KERR McGEE OIL & GAS ONSHORE LP

9. API NUMBER: 4304736392

3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST CITY VERNAL STATE UT ZIP 84078

PHONE NUMBER: (435) 781-7024

10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 1713'FNL, 1754'FEL

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNE 33 9S, 21E

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start:	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☑ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: WELL SPUD
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

MIRU PETE MARTIN BUCKET RIG. DRILLED 20" CONDUCTOR HOLE TO 40'. RAN 14" 36.7# SCHEDULE 10 PIPE. CMT W/28 SX READY MIX.

SPUD WELL LOCATION ON 09/16/2006 AT 1100 HRS.

NAME (PLEASE PRINT) SHEILA UPCHEGO TITLE REGULATORY ANALYST

SIGNATURE DATE 9/20/2006

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STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER: STUO-015630-ST

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

7. UNIT or CA AGREEMENT NAME: UNIT #891008900A

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER

8. WELL NAME and NUMBER: NBU 921-33G

2. NAME OF OPERATOR: KERR McGEE OIL & GAS ONSHORE LP

9. API NUMBER: 4304736392

3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST CITY VERNAL STATE UT ZIP 84078

PHONE NUMBER: (435) 781-7024

10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 1713'FNL, 1754'FEL

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNE 33 9S, 21E

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

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☐ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start: _____	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
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Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: SET SURFACE CSG.
_____	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

MIRU BILL MARTIN AIR RIG ON 09/19/2006. DRILLED 12 1/4" SURFACE HOLE TO 2550'. RAN 9 5/8" 53 JTS OF 32.3# H-40 AND 10 JTS OF 36# J-55 SURFACE CSG. LEAD CMT W/230 SX HIFILL CLASS G @11.0 PPG. TAILED CMT W200 SX PREM CLASS G @15.8 PPG 1.15 YIELD 25 +/- BBLS LEAD CMT TO PIT. RAN 200' OF 1" PIPE. CMT W/125 SX CLASS G @15.8 PPG 1.15 YIELD. DOWN 1" PIPE CMT TO SURFACE AND FELL BACK. TOP OUT W/50 SX CLASS G @15.8 PPG 1.15 YIELD. DOWN BACKSIDE CMT TO SURFACE HOLE STAYED FULL.

WORT.

NAME (PLEASE PRINT) SHEILA UPCHEGO TITLE REGULATORY ANALYST

SIGNATURE [signature] DATE 9/22/2006

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STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER: STUO-015630-ST

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME: UNIT #891008900A

8. WELL NAME and NUMBER: NBU 921-33G

9. API NUMBER: 4304736392

10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER

2. NAME OF OPERATOR: KERR McGEE OIL & GAS ONSHORE LP

3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST CITY VERNAL STATE UT ZIP 84078

PHONE NUMBER: (435) 781-7024

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 1713'FNL, 1754'FEL

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNE 33 9S, 21E

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

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☑ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: FINAL DRILLING OPERATIONS
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

FINISHED DRILLING FROM 2550' TO 9700' ON 10/07/2006. RAN 4 1/2" 11.6# I-80 PRODUCTION CSG. LEAD CMT W/374 SX PREM LITE II @11.0 PPG 3.38 YIELD. TAILED CMT W/1200 SX 50/50 POZ @14.3 PPG 1.31 YIELD. SET SLIPS ND BOP CUT OFF CSG. JET AND CLEAN PITS.

RELEASED ENSIGN RIG 83 ON 10/08/2006 AT 1830 HRS,

NAME (PLEASE PRINT) SHEILA UPCHEGO TITLE REGULATORY ANALYST

SIGNATURE DATE 9/22/2006

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FORM 9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER: STUO-015630-ST

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

7. UNIT or CA AGREEMENT NAME: UNIT #891008900A

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER _____

8. WELL NAME and NUMBER: NBU 921-33G

2. NAME OF OPERATOR: KERR McGEE OIL & GAS ONSHORE LP

9. API NUMBER: 4304736392

3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST CITY VERNAL STATE UT ZIP 84078

PHONE NUMBER: (435) 781-7024

10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 1713'FNL, 1754'FEL

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNE 33 9S, 21E

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

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☑ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion: _____	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: PRODUCTION START-UP
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

THE SUBJECT WELL LOCATION WAS PLACED ON PRODUCTION ON 10/29/2006 AT 11:30 AM.

PLEASE REFER TO THE ATTACHED CHRONOLOGICAL WELL HISTORY,

NAME (PLEASE PRINT) SHEILA UPCHEGO TITLE REGULATORY ANALYST

SIGNATURE _____ DATE 10/30/2006

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(5/2000) (See Instructions on Reverse Side)

Anadarko Petroleum Corporation

Anadarko Petroleum Corporation
1368 S. 1200 East
Vernal, UT 84078

CHRONOLOGICAL WELL HISTORY

NBU 921-33G
SWNE, SEC 33, T9S, R21E
UINTAH COUNTY, UT
TD: 9700'
PBTD:
PERFS: 9365'-72'
EOT: (I.E. 2 3/8" J55 @ 8155')

	SPUD	Surface Casing	Activity	Status
08/31/06			Building Location, 5% Complete	Caza 83
09/01/06			Building Location, 15% Complete	Caza 83
09/05/06			Building Location, 25% Complete	Caza 83
09/06/06			Building Location, 35% Complete	Caza 83
09/07/06			Building Location, 35% Complete	Caza 83
09/08/06			Building Location, 35% Complete DRLG	Caza 83
09/11/06			Building Location, 35% Complete	Caza 83
09/12/06			Building Location, 50% Complete	Caza 83
09/13/06			Building Location, 60% Complete	Caza 83
09/14/06			Building Location, 60% Complete	Caza 83

09/28/06 TD: 2550' Csg. 9 5/8" @ 2527' MW: 8.4 SD: 9/XX/06 DSS: 0
Move to NBU 921-33G, 100% moved 80% rigged up.

09/29/06 TD: 2692' Csg. 9 5/8" @ 2527' MW: 8.4 SD: 9/29/06 DSS: 0
RURT, NU and test BOP. PU BHA and DP. Drill cmt and FE. Drill to 2692'. DA@report time.

10/02/06 TD: 6922' Csg. 9 5/8" @ 2527' MW: 9.5 SD: 9/29/06 DSS: 3
Drill and survey from 2692'-6922'. DA @ report time.

10/03/06 TD: 6922' Csg. 9 5/8" @ 2527' MW: 9.9 SD: 9/29/06 DSS: 4
Drill and survey from 6922'-7238'. TFNB and MM. Drill to 7325'. DA @ report time.

10/04/06 TD: 8225' Csg. 9 5/8" @ 2527' MW: 10.4 SD: 9/29/06 DSS: 5
Drill and survey from 7325'-8225'. DA @ report time.

10/05/06 TD: 9025' Csg. 9 5/8" @ 2527' MW: 10.8 SD: 9/29/06 DSS: 6
Drill and survey from 8225'-9025'. DA @ report time.

10/06/06 **TD: 9410' Csg. 9 5/8" @ 2527' MW: 11.1 SD: 9/29/06 DSS: 7**
Drill from 9025'-9410'. TFNB. TIH @ report time.

10/09/06 **TD: 9700' Csg. 9 5/8" @ 2527' MW: 11.6 SD: 9/29/06 DSS: 10**
Drill from 9410'-9700' TD. Short trip 15 stds. CCH and POOH for logs. Run Triple Combo. TIH and CCH for casing. Lay down drill string. Run and cement 4 ½" Production Casing. Set slips and release rig @ 1830 hrs 10/8/06. RDRT @ report time.

10/10/06 **TD: 9700' Csg. 9 5/8" @ 2527' MW: 11.6 SD: 9/29/06 DSS: 10**
RDRT. Moving to NBU 921-33J @ report time.

10/24/06 Days On Completion: 1
ROAD RIG & EQUIP FR NBU 921-28K TO LOCATION. SPOT RIG & EQUIP. ND WH, NU BOP. PREP, TALLY & PU BIT & NEW TBG. RIH W/BIT & TBG TO 6200'. POOH W/TBG & BIT, LD BIT. RD FLR, ND BOP, NU FRAC VLV STK. RU RIG PM TO WELL, FILL CSG. MIRU B&C QUICK TEST. PRES TEST FRAC VLVS & CSG TO 7500 PSI. RDMO B&C. DRAIN LINES. PREP TO FRAC IN MORNING. SWI, SDFN.

10/25/06 Days On Completion: 2
MIRU BJ PUMPING SERVICES & CUTTERS WIRELINE SERVICE. ALL STAGES WILL USE NALCO DVE-005 SCALE INHIBITOR (3 GPT IN PAD THRU MID SND & 10 GPT IN FLUSH); PERF GUNS WILL BE 3-3/8" (23 GM CHG, 42" PENE, 0.35" HOLE; 4 SPF-90 DEGREE PHASING); 20/40 OTTAWA SAND & GELLED FLUID. HSM.

STAGE 1: PU PERF GUN, RIH, PERF: 9365-72' & 9287-92'. TOT OF 56 HOLES. POOH, LD WL TLS. MU BJ. CHEM ADD PANEL WAS DOWN, WAIT ON REPAIRS FR VERNAL. OW: 0 PSI, BRK: 4421 PSI, ISIP: 3930 PSI, FG: 0.85. ESTAB RATE: 46.2 BPM @ 6380 PSI. POC: 100%. FRAC STG W/LIT 22# GEL. TOT SND: 116,600 LBS, TOT FL: 1117 BBL. ISIP: 5100 PSI, FG: 0.98. MP: 6632 PSI, MR: 47 BPM, AP: 6540 PSI, AR: 46.8 BPM.

STAGE 2: PU CBP & PERF GUN. RIH, SET CBP @ 9236', PU, PERF: 9192-08', 9131-36' & 9006-09'. 4 SPF EA, TOT OF 56 HOLES. POOH, LD WL TLS. MU BJ. OW: 0 PSI, BRK: 3969 PSI, ISIP: 2650 PSI, FG: 0.72. ESTAB RATE: 49.2 BPM @ 5350 PSI. POC: 100%. FRAC STG W/LIT 22-20# GEL. TOT SND: 339,970 LBS, TOT FL: 2729 BBL. ISIP: 3250 PSI, FG: 0.79. MP: 5513 PSI, MR: 45.3 BPM, AP: 5415 PSI, AR: 44.3 BPM.

STAGE 3: PU CBP & PERF GUN. RIH, SET CBP @ 8919'. PU, PERF: 8884-89' & 8704-09'. 4 SPF EA, TOT OF 40 HOLES. POOH, LD WL TLS. MU BJ. OW: 2235 PSI, BRK: 3000 PSI, ISIP: 3000 PSI, FG: 0.77. ESTAB RATE: 41.1 BPM @ 5200 PSI. POC: 88%. FRAC STG W/LIT 20# GEL. TOT SND: 169,850 LBS, TOT FL: 1353 BBL. ISIP: 3500 PSI, FG: 0.83. MP: 5200 PSI, MR: 50.9 BPM, AP: 5089 PSI, AR: 41.3 BPM.

STAGE 4: PU CBP & PERF GUN. RIH, SET CBP @ 8530'. PU, PERF: 8495-8500', 8388-92' & 8322-26'. 4 SPF EA, TOT OF 52 HOLES. POOH, LD LW TLS. MU BJ. OW: 0 PSI, BRK: 3049 PSI, ISIP: 2600, FG: 0.74. ESTAB RATE: 49 BPM @ 5200 PSI. POC: 100%. FRAC STG W/LIT 20# GEL. TOT SND: 203,625 LBS, TOT FL: 1594 BBL. ISIP: 3400 PSI, FG: 0.84. MP: 5543 PSI, MR: 50.9 BPM, AP: 5401 PSI, AR: 48.3 BPM.

STAGE 5: PU CBP & PERF GUN. RIH, SET CBP @ 8222'. PU, PERF: 8171-74', 8066-69', 8015-18' & 7923-25'. 4 SPF EA, TOT OF 44 HOLES. POOH, LD WL TLS. DRAIN DN LINES & EQUIP. SWI, SDFN.

10/26/06 Days On Completion: 3
MI NEW PMP TRUCK & MAKE REPAIRS TO ONE. HSM.

STAGE 5: OW: 1325 PSI, BRK: 2959 PSI, ISIP: 2880 PSI, FG: 0.79. ESTAB RATE: 49.8 BPM @ 4840 PSI. POC: 100%. FRAC STG W/LIT 20# GEL. TOT SND: 220,825 LBS, TOT FL: 1722 BBL. ISIP: 3040 PSI, FG: 0.81. MP: 5216 PSI, MR: 50.9 BPM, AP: 5084 PSI, AR: 50.4 BPM.

STAGE 6: PU CBP & PERF GUN. RIH, SET CBP @ 7785', PU, PERF: 7744-48', 7681-85' & 7611-14'. 4 SPF EA, TOT OF 44 HOLES. POOH, LD WL TLS. MU BJ. OW: 60 PSI, BRK: 2462 PSI, ISIP: 1940 PSI, FG: 0.69. ESTAB RATE: 52 BPM @ 4400 PSI. POC: 95%. FRAC STG W/LIT 18# GEL. TOT SND: 190,900 LBS, TOT FL: 1497 BBL. ISIP: 2800 PSI, FG: 0.80. MP: 4688 PSI, MR: 52.3 BPM, AP: 4540 PSI, AR: 51.3 BPM.

PU KILL PLUG, RIH, SET PLUG @ 7580'. POOH, LD TLS. RDMO CWLS & BJ SERV. ND FRAC VLVS, NU BOP. PU BIT, POBS & TBG, RIH W/BIT & TBG TO KILL PLUG @ 7580'. X-OVER EQUIP TO PWR SWVL, RU PMP TO TBG. SWI, SDFN.

10/27/06

Days On Completion: 4
HSM. MU KELLY VLV, RU PMP TO SWVL, EST CIRC. DRILL OUT CBPs AS FOLLOWS:

CBP#	FILL DPTH	CBP DPTH	TIME	PRES INCR
1	7580'	7580'	7 MIN.	100 PSI
2	7750'	7885'	5	300
3	8057'	8222'	5	300
4	8490'	8530'	8	200
5	8146'	8919'	6	150
6	9210'	9236'	5	250

CONT TO RIH, TAG FILL @ 9480', C/O TO 9530', CIRC HOLE CLN. POOH, LD 29 JTS ON FLT. PU HNGR, LND TBG W/275 JTS IN HOLE (8539.12'). RD FLR, ND BOP, NU WH. DROP BALL, MU FL TO PIT, MU PMP TO TBG. PMP OFF SUB W/2600 PSI. OPEN WELL TO PIT. TURN WELL OVER TO FBC. NOTIFY PRODUCTION. RD RIG, RACK OUT EQUIP. PREF TO RR TO NBU 1021-13I.

ON FLOWBACK 10/28/06: 2000# CP, 1825# TP, 20/64 CK, 60 BWPH, LOAD REC'D 1520 BBLS, LLTR 4995 BBLS
ON FLOWBACK 10/29/06: 3200# CP, 1950# TP, 20/64 CK, 45 BWPH, LOAD REC'D 1155 BBLS, LLTR 6150 BBLS
WELL WENT ON SALES: 10/29/06 @ 11:30 A.M., TBG 1800, CSG 2500, 20/64 CHK, MCF 500, 50 BBLS WATER

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

AMENDED REPORT ☐ (highlight changes) FORM 8

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. LEASE DESIGNATION AND SERIAL NUMBER: STUO-015630-ST
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
7. UNIT or CA AGREEMENT NAME: UNIT #891008900A
8. WELL NAME and NUMBER: NBU 921-33G
9. API NUMBER: 4304736392
10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES
11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNE 33 9S 21E
12. COUNTY: UINTAH
13. STATE: UTAH

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ DRY ☐ OTHER
b. TYPE OF WORK: NEW WELL ☑ HORIZ. LATS. ☐ DEEP-EN ☐ RE-ENTRY ☐ DIFF. RESVR. ☐ OTHER
2. NAME OF OPERATOR: KERR McGEE OIL & GAS ONSHORE LP
3. ADDRESS OF OPERATOR: 1368 S 1200 E CITY VERNAL STATE UT ZIP 84078
PHONE NUMBER: (435) 781-7024
4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: 1713'FNL, 1754'FEL
AT TOP PRODUCING INTERVAL REPORTED BELOW:
AT TOTAL DEPTH:

14. DATE SPUDDED:	15. DATE T.D. REACHED:	16. DATE COMPLETED:		17. ELEVATIONS (DF, RKB, RT, GL):
9/16/2006	10/7/2006	10/29/2006	ABANDONED ☐ READY TO PRODUCE ☑	4949'GL

18. TOTAL DEPTH: MD 9,700 TVD	19. PLUG BACK T.D.: MD 9,663 TVD	20. IF MULTIPLE COMPLETIONS, HOW MANY? *	21. DEPTH BRIDGE PLUG SET: MD TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)
CBL-CCL-GR

23.
WAS WELL CORED? NO ☑ YES ☐ (Submit analysis)
WAS DST RUN? NO ☑ YES ☐ (Submit report)
DIRECTIONAL SURVEY? NO ☑ YES ☐ (Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
20"	14" STL	36.7#		40		28			
12 1/4"	9 5/8 H-40	32.3# 36#		2,550		605			
7 7/8"	4 1/2 I-80	11.6#		9,700		1574			

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	8,540							

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)
(A) MESAVERDE	7,611	9,372		
(B)				
(C)				
(D)				

27. PERFORATION RECORD

INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
7,611 9,372	0.35	292	Open ☑ Squeezed ☐
			Open ☐ Squeezed ☐
			Open ☐ Squeezed ☐
			Open ☐ Squeezed ☐

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
7611'-9372'	PMP 10,012 BBLS LILGHTNING 18, 20, 22 & 1,241,770# 20/40 SD

29. ENCLOSED ATTACHMENTS:
☐ ELECTRICAL/MECHANICAL LOGS ☐ GEOLOGIC REPORT ☐ DST REPORT ☐ DIRECTIONAL SURVEY
☐ SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION ☐ CORE ANALYSIS ☐ OTHER:

30. WELL STATUS: PROD

(5/2000) **(CONTINUED ON BACK)**

RECEIVED
DEC 0 6 2006
DIV. OF OIL, GAS & MINING

31. INITIAL PRODUCTION — **INTERVAL A (As shown in Item #26)**

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
10/29/2006	11/1/2006	24		0	2,201	802	FLOWING

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:
20/64	1,387	2,354					0	2,201	802	PROD

INTERVAL B (As shown in Item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL C (As shown in Item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL D (As shown in Item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

SOLD

33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
WASATCH MESAVERDE	4,809 7,570	7,570			

35. ADDITIONAL REMARKS (Include plugging procedure)

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) SHEILA UPCHEGO TITLE REGULATORY ANALYST

SIGNATURE DATE 11/28/2006

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

(5/2000)

FORM 9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER: STUO-015630-ST

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

7. UNIT or CA AGREEMENT NAME: UNIT #891008900A

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER

8. WELL NAME and NUMBER: NBU 921-33G

2. NAME OF OPERATOR: KERR McGEE OIL & GAS ONSHORE LP

9. API NUMBER: 4304736392

3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST CITY VERNAL STATE UT ZIP 84078

PHONE NUMBER: (435) 781-7024

10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 1713'FNL, 1754'FEL

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNE 33 9S, 21E

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☑ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start:	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☐ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☐ OTHER:
	☐ CONVERT WELL TYPE	☑ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

THE OPERATOR REQUESTS AUTHORIZATION TO RECOMPLETE THE SUBJECT WELL LOCATION. THE OPERATOR PROPOSES TO COMPLETE THE WASATCH FORMATION. THE SUBJECT WELL LOCATION WILL BE COMMINGLED. THE OPERATOR PROPOSES TO COME BACK WITHIN 2 WEEKS AFTER THE WELL IS STABILIZED AND DRILL OUT PLUGS AND CLEAN OUT TO 9655'.

PLEASE REFER TO THE ATTACHED RECOMPLETION PROCEDURE.

COPY SENT TO OPERATOR
Date: 2·29·2008
Initials: KS

NAME (PLEASE PRINT) SHEILA UPCHEGO TITLE REGULATORY ANALYST

SIGNATURE DATE 9/16/2008

(This space for State use only)

APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
DATE: 9/24/08
BY:
Cause (73-14

RECEIVED
SEP 17 2008
DIV. OF OIL, GAS & MINING

(5/2000) (See Instructions on Reverse Side)

Name: NBU 921-33G
Location: SWNE-Section 33-T9S-R21E
Uintah County, UT
Date: September 9, 2008

ELEVATIONS: 4948' GL 4965' KB

TOTAL DEPTH: 9700' **PBTD:** 9655'
SURFACE CASING: 9 5/8", 36# J-55 ST&C @ 2527'
PRODUCTION CASING: 4 1/2", 11.6#, I-80 LT&C @ 9700'
Marker Joint **4799'-4820'**'

TUBULAR PROPERTIES:

	BURST (psi)	COLLAPSE (psi)	DRIFT DIA. (in.)	CAPACITIES (bbl/ft)	(gal/ft)
2 3/8" 4.7# J-55 tbg	7,700	8,100	1.901"	0.00387	0.1624
4 ½" 11.6# I-80 (See above)	7780	6350	3.875"	0.0155	0.6528
2 3/8" by 4 ½" Annulus				0.0101	0.4227

TOPS:

1485' Green River
2259' Mahogany
4795' Wasatch
7600' Mesaverde

CBL indicates good cement bond below 3600'

GENERAL:

- A minimum of **26** tanks (cleaned lined 500 bbl) of recycled water will be required. Note: Use biocide in tanks and the water needs to be at least 45°F at pump time.
- All perforation depths are from Halliburtons Induction-Density-Neutron log dated 10/7/2006.
- **7** fracturing stages required for coverage.
- Procedure calls for 8 CBP's (**8000** psi).
- Calculate open perforations after each breakdown. If less than 60% of the perforations appear to be open, ball out with 15% HCl.
- Put scale inhibitor 3 gals/1000 gals (in pad and ½ the ramp) and 10 gals/1000 gals in all flushes except the final stage. Remember to pre-load the casing with scale inhibitor for the very first stage with 10 gpt.
- 30/50 mesh Ottawa sand, **Slickwater frac**.
- Maximum surface pressure **6200** psi.
- Flush volumes are the sum of slick water and acid used during displacement (include scale inhibitor as mentioned above). DO NOT OVERDISPLACE. Stage acid and scale inhibitor if necessary to cover the next perforated interval.
- Service companies need to provide surface/production annulus pop-offs to be set for 1500 psi for each frac.

- Pump **resin coated sand** last 5,000# of all frac stages
- Tubing Currently Landed @~8539'
- Originally completed on 10/27/06

Existing Perforations:

Zones	Perforations		SPF	Length ft.	Holes	Fracture Coverage
	Top, ft.	Bot., ft.				
Kmv	9287	9294	4	7	28	
Kmv	9365	9372	4	7	28	9232-9415' MD
Kmv	9006	9009	4	3	12	
Kmv	9131	9136	4	5	20	
Kmv	9192	9198	4	6	24	8952-9284' MD
Kmv	8704	8709	4	5	20	8604-8752' MD
Kmv	8884	8889	4	5	20	8788-8927' MD
Kmv	8322	8326	4	4	16	
Kmv	8388	8392	4	4	16	
Kmv	8495	8500	4	5	20	8247-8569' MD
Kmv	7923	7925	4	2	8	
Kmv	8015	8018	4	3	12	
Kmv	8066	8069	4	3	12	
Kmv	8171	8174	4	3	12	7850-8243' MD
Kmv	7611	7614	4	3	12	
Kmv	7681	7685	4	4	16	
Kmv	7744	7748	4	4	16	7552-7821' MD

PROCEDURE:

1. MIRU. Control well with recycled water and biocide as required. ND WH, NU BOP's and test.

2. TOOH with 2-3/8", 4.7#, J-55 tubing (currently landed at ~8539'). Visually inspect for scale and consider replacing if needed.

3. If tbg looks ok consider running a gauge ring to 7433' (50' below proposed CBP). Otherwise P/U a mill and C/O to 7433' (50' below proposed CBP).

4. Set 8000 psi CBP at ~ 7383'. Pressure test BOP and casing to 6000 psi. .

5. Perf the following with 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
WASATCH	7308	7312	3	12
WASATCH	7326	7329	3	9
WASATCH	7332	7335	3	9
WASATCH	7345	7348	4	12

# of Perfs/stage	42

6. Breakdown perfs and establish injection rate (include scale inhibitor in fluid). Fracture as outlined in Stage 1 on attached listing. Under-displace to ~7258' and trickle 250gal 15%HCL w/ scale inhibitor in flush .

7. Set 8000 psi CBP at ~7172'. Perf the following 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
WASATCH	7064	7070	3	18
WASATCH	7091	7094	3	9
WASATCH	7138	7142	4	16
# of Perfs/stage				43

8. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 2 on attached listing. Under-displace to ~7014' and trickle 250gal 15%HCL w/ scale inhibitor in flush. .

9. Set 8000 psi CBP at ~6942'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	6778	6780	3	6
WASATCH	6872	6875	3	9
WASATCH	6882	6886	3	12
WASATCH	6908	6912	4	16
# of Perfs/stage				43

10. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 3 on attached listing. Under-displace to ~6728' trickle 250gal 15%HCL w/ scale inhibitor in flush.

11. Set 8000 psi CBP at ~6667'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	6408	6415	3	21
WASATCH	6513	6517	3	12
WASATCH	6634	6637	3	9
# of Perfs/stage				42

12. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 4 on attached listing. Under-displace to ~6358' and trickle 250gal 15%HCL w/ scale inhibitor in flush.

13. Set 8000 psi CBP at ~6184'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	5992	5994	3	6
WASATCH	6020	6022	3	6
WASATCH	6076	6083	3	21
WASATCH	6152	6154	4	8
# of Perfs/stage				41

14. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 5 on attached listing. Under-displace to ~5942' and trickle 250gal 15%HCL w/ scale inhibitor in flush.

15. Set 8000 psi CBP at ~5851'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	5662	5665	3	9
WASATCH	5802	5808	3	18
WASATCH	5816	5821	3	15
# of Perfs/stage				42

16. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 6 on attached listing. Under-displace to ~5612' and trickle 250gal 15%HCL w/ scale inhibitor in flush.

17. Set 8000 psi CBP at ~5136'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	5001	5011	3	30
WASATCH	5102	5106	3	12
# of Perfs/stage				42

18. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 7 on attached listing. Under-displace to ~4951' and flush only with recycled water.

19. Set 8000 psi CBP at~4951'.

20. TIH with 3 7/8" bit, sliding sleeve, SN and tubing.

21. Drill plugs and clean out to CBP at 7383' (do not drill out). Open sleeve and DO NOT PUMP OFF SUB and land tubing at ±**7035**' unless indicated otherwise by the well's behavior. This well will not be commingled at this time. It is desired to come back to location shortly (about 2 week until well has stabilized) and drill plugs, clean out to 9655', and land tubing at +/- 8975'

22. RDMO

For design questions, please call
David Cocciolone, Denver, CO
(832)-453-2043 (Cell)
(720)-929-6716 (Office)

For field implementation questions, please call
Robert Miller, Vernal, UT
(435)-781-7041 (Office)

NOTES:

Well is currently producing 280 MCFD.

Expected incremental IP of 500 MCFD, total recomplete IP of 780 MCFD.

No significant water concerns in the area.

NBU 921-33G
Perforation and CBP Summary

Stage	Zones	Perforations Top, ft	Perforations Bottom, ft	SPF	Holes		Fracture Coverage		
1	WASATCH	7308	7312	3	12		7309	to	7312
	WASATCH	7326	7329	3	9		7329	to	7331
	WASATCH	7332	7335	3	9		7332	to	7336
	WASATCH		No Perfs				7338	to	7345
	WASATCH	7345	7348	4	12		7347	to	7348
	WASATCH		No Perfs				7352	to	7353
	# of Perfs/stage				42		CBP DEPTH	7,172	
2	WASATCH	7064	7070	3	18		7065	to	7072
	WASATCH		No Perfs				7072	to	7073
	WASATCH	7091	7094	3	9		7091	to	7110
	WASATCH	7138	7142	4	16		7139	to	7140
	WASATCH		No Perfs				7154	to	7155
	# of Perfs/stage				43		CBP DEPTH	6,942	
3	WASATCH		No Perfs				6706	to	6706
	WASATCH		No Perfs				6721	to	6722
	WASATCH	6778	6780	3	6		6779	to	6780
	WASATCH		No Perfs				6838	to	6839
	WASATCH	6872	6875	3	9		6874	to	6878
	WASATCH	6882	6886	3	12		6880	to	6896
	WASATCH		No Perfs				6900	to	6900
	WASATCH		No Perfs				6901	to	6901
	WASATCH		No Perfs				6906	to	6909
	WASATCH	6908	6912	4	16		6909	to	6912
	WASATCH		No Perfs				6912	to	6914
	# of Perfs/stage				43		CBP DEPTH	6,667	
4	WASATCH	6408	6415	3	21		6407	to	6423
	WASATCH		No Perfs				6464	to	6466
	WASATCH		No Perfs				6507	to	6508
	WASATCH	6513	6517	3	12		6513	to	6517
	WASATCH		No Perfs				6562	to	6563
	WASATCH	6634	6637	3	9		6635	to	6637
	# of Perfs/stage				42		CBP DEPTH	6,184	
5	WASATCH		No Perfs				5919	to	5922
	WASATCH		No Perfs				5924	to	5926
	WASATCH	5992	5994	3	6		5988	to	5990
	WASATCH	6020	6022	3	6		6021	to	6023
	WASATCH		No Perfs				6031	to	6032
	WASATCH		No Perfs				6067	to	6069
	WASATCH		No Perfs				6070	to	6076
	WASATCH	6076	6083	3	21		6077	to	6079
	WASATCH		No Perfs				6079	to	6084
	WASATCH		No Perfs				6091	to	6093
	WASATCH		No Perfs				6098	to	6098
	WASATCH		No Perfs				6142	to	6143
	WASATCH	6152	6154	4	8		6154	to	6154
	# of Perfs/stage				41		CBP DEPTH	5,851	
6	WASATCH	5662	5665	3	9		5659	to	5665
	WASATCH		No Perfs				5704	to	5704
	WASATCH		No Perfs				5718	to	5719
	WASATCH		No Perfs				5723	to	5724
	WASATCH		No Perfs				5740	to	5741
	WASATCH		No Perfs				5744	to	5745
	WASATCH		No Perfs				5752	to	5753
	WASATCH		No Perfs				5755	to	5755
	WASATCH		No Perfs				5777	to	5778
	WASATCH	5802	5808	3	18		5803	to	5810
	WASATCH		No Perfs				5811	to	5813
	WASATCH	5816	5821	3	15		5813	to	5820
	WASATCH		No Perfs				5821	to	5822
	# of Perfs/stage				42		CBP DEPTH	5,136	
7	WASATCH		No Perfs				4997	to	5000
	WASATCH	5001	5011	3	30		5000	to	5014
	WASATCH		No Perfs				5014	to	5016
	WASATCH		No Perfs				5079	to	5082
	WASATCH		No Perfs				5091	to	5092
	WASATCH	5102	5106	3	12		5100	to	5108
	# of Perfs/stage				42		CBP DEPTH	4,951	
	Totals				295				

Fracturing Schedules
NBU 921-33G
Slickwater Frac

4310.6168
102.633733

Stage	Zone	Feet of Pay	Perfs Top, ft.	Perfs Bot., ft	SPF	Holes	Rate BPM	Fluid Type	Initial ppg	Final ppg	Fluid	Volume BBLs	Cum Vol BBLs	Fluid % of frac	Sand % of frac	Sand lbs	Cum. Sand lbs	Footage from CBP to Flush	Scale Inhib., gal.
1	WASATCH	3	7308	7312	3	12	Varied	Pump-in test			Slickwater	0	0						
	WASATCH	2	7326	7329	3	9	0	ISIP and 5 min ISIP											47
	WASATCH	4	7332	7335	3	9	50	Slickwater Pad			Slickwater	161	161	15.0%	0.0%	0	0		20
	WASATCH	7		No Perfs			50	Slickwater Ramp	0.25	1.25	Slickwater	536	696	50.0%	39.7%	16,875	16,875		34
	WASATCH	1	7345	7346	4	12	50	Slickwater Ramp	1.25	2	Slickwater	375	1,071	35.0%	60.3%	25,594	42,469		0
	WASATCH	1		No Perfs			50	Flush (4-1/2")				113	1,184				42,469		47
								ISDP and 5 min ISDP											147
															gal/ft	2,500	2,359	lbs sand/ft	
		18		# of Perfs/stage		42							Flush depth	7258		CBP depth	7,172	86	
							24.6	<< Above pump time (min)											
2	WASATCH	7	7064	7070	3	18	Varied	Pump-in test			Slickwater	0	0						
	WASATCH	1		No Perfs			0	ISIP and 5 min ISIP											
	WASATCH	19	7091	7094	3	9	50	Slickwater Pad			Slickwater	233	233	15.0%	0.0%	0	0		29
	WASATCH	1	7138	7142	4	16	50	Slickwater Ramp	0.25	1.25	Slickwater	777	1,010	50.0%	39.7%	24,469	24,469		49
	WASATCH	1		No Perfs			50	Slickwater Ramp	1.25	2	Slickwater	544	1,554	35.0%	60.3%	37,111	61,580		0
							50	Flush (4-1/2")				109	1,663				61,580		45
								ISDP and 5 min ISDP											123
															gal/ft	2,250	2,123	lbs sand/ft	
		29		# of Perfs/stage		43							Flush depth	7014		CBP depth	6,942	72	
							34.6	<< Above pump time (min)											
3	WASATCH	0		No Perfs			Varied	Pump-in test			Slickwater	0	0						
	WASATCH	1		No Perfs			0	ISIP and 5 min ISIP											
	WASATCH	1	6778	6780	3	6	50	Slickwater Pad			Slickwater	209	209	15.0%	0.0%	0	0		26
	WASATCH	1		No Perfs			50	Slickwater Ramp	0.25	1.25	Slickwater	696	905	50.0%	39.7%	21,938	21,938		44
	WASATCH	4	6872	6875	3	9	50	Slickwater Ramp	1.25	2	Slickwater	488	1,393	35.0%	60.3%	33,272	55,209		0
	WASATCH	16	6882	6886	3	12	50	Flush (4-1/2")				105	1,497				55,209		43
	WASATCH	0		No Perfs				ISDP and 5 min ISDP											114
	WASATCH	0		No Perfs															
	WASATCH	3		No Perfs															
	WASATCH	3	6908	6912	4	16													
	WASATCH	2		No Perfs															
															gal/ft	2,250	2,123	lbs sand/ft	
		26		# of Perfs/stage		43							Flush depth	6728		CBP depth	6,667	61	
							31.2	<< Above pump time (min)											
4	WASATCH	16	6408	6415	3	21	Varied	Pump-in test			Slickwater	0	0						
	WASATCH	2		No Perfs			0	ISIP and 5 min ISIP											
	WASATCH	1		No Perfs			50	Slickwater Pad			Slickwater	232	232	15.0%	0.0%	0	0		29
	WASATCH	4	6513	6517	3	12	50	Slickwater Ramp	0.25	1.25	Slickwater	774	1,006	50.0%	39.7%	24,375	24,375		49
	WASATCH	1		No Perfs			50	Slickwater Ramp	1.25	2	Slickwater	542	1,548	35.0%	60.3%	36,969	61,344		0
	WASATCH	2	6634	6637	3	9	50	Flush (4-1/2")				99	1,646				61,344		40
								ISDP and 5 min ISDP											118
															gal/ft	2,500	2,359	lbs sand/ft	
		26		# of Perfs/stage		42							Flush depth	6358		CBP depth	6,184	174	
							34.3	<< Above pump time (min)											
5	WASATCH	3		No Perfs			Varied	Pump-in test			Slickwater	0	0						
	WASATCH	2		No Perfs			0	ISIP and 5 min ISIP											
	WASATCH	2	5992	5994	3	6	50	Slickwater Pad			Slickwater	250	250	15.0%	0.0%	0	0		32
	WASATCH	2	6020	6022	3	6	50	Slickwater Ramp	0.25	1.25	Slickwater	833	1,083	50.0%	39.7%	26,250	26,250		53
	WASATCH	1		No Perfs			50	Slickwater Ramp	1.25	2	Slickwater	583	1,667	35.0%	60.3%	39,813	66,063		0
	WASATCH	2		No Perfs			50	Flush (4-1/2")				92	1,759				66,063		38
	WASATCH	6		No Perfs				ISDP and 5 min ISDP											122
	WASATCH	2	6076	6083	3	21													
	WASATCH	5		No Perfs															
	WASATCH	2		No Perfs															
	WASATCH	0		No Perfs															
	WASATCH	1		No Perfs															
	WASATCH	0	6152	6154	4	8													
															gal/ft	2,500	2,359	lbs sand/ft	
		28		# of Perfs/stage		41							Flush depth	5942		CBP depth	5,851	91	
							36.7	<< Above pump time (min)											
6	WASATCH	6	5662	5665	3	9	Varied	Pump-in test			Slickwater	0	0						
	WASATCH	0		No Perfs			0	ISIP and 5 min ISIP											
	WASATCH	1		No Perfs			50	Slickwater Pad			Slickwater	259	259	15.0%	0.0%	0	0		33
	WASATCH	1		No Perfs			50	Slickwater Ramp	0.25	1.25	Slickwater	863	1,122	50.0%	39.7%	27,188	27,188		54
	WASATCH	1		No Perfs			50	Slickwater Ramp	1.25	2	Slickwater	604	1,726	35.0%	60.3%	41,234	68,422		0
	WASATCH	1		No Perfs			50	Flush (4-1/2")				87	1,813				68,422		33
	WASATCH	1		No Perfs				ISDP and 5 min ISDP											120
	WASATCH	0		No Perfs															
	WASATCH	1		No Perfs															
	WASATCH	7	5802	5808	3	18													
	WASATCH	2		No Perfs															
	WASATCH	7	5816	5821	3	15													
	WASATCH	1		No Perfs															
															gal/ft	2,500	2,359	lbs sand/ft	
		29		# of Perfs/stage		42							Flush depth	5612		CBP depth	5,136	476	
							37.8												
7	WASATCH	3		No Perfs			Varied	Pump-in test			Slickwater	0	0						
	WASATCH	14	5001	5011	3	30	0	ISIP and 5 min ISIP											
	WASATCH	2		No Perfs			50	Slickwater Pad			Slickwater	277	277	15.0%	0.0%	0	0		35
	WASATCH	3		No Perfs			50	Slickwater Ramp	0.25	1.25	Slickwater	923	1,199	50.0%	39.7%	29,063	29,063		58
	WASATCH	1		No Perfs			50	Slickwater Ramp	1.25	2	Slickwater	646	1,845	35.0%	60.3%	44,078	73,141		0
	WASATCH	8	5102	5106	3	12	50	Flush (4-1/2")				77	1,922				73,141		0
								ISDP and 5 min ISDP											93
															gal/ft	2,500	2,359	lbs sand/ft	
		31		# of Perfs/stage		42							Flush depth	4951		CBP depth	4,951	0	LOOK
							40.1												
	Totals	187				295						gals	11,484	bbls		Total Sand	428,227		
												bbls							
							4.0						25.5	tanks				Total Scale Inhib. =	838

FORM 9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER: STUO-015630-ST

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

7. UNIT or CA AGREEMENT NAME: 891008900A

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER

8. WELL NAME and NUMBER: NBU 921-33G

2. NAME OF OPERATOR: KERR McGEE OIL & GAS ONSHORE LP

9. API NUMBER: 4304736392

3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST CITY VERNAL STATE UT ZIP 84078

PHONE NUMBER: (435) 781-7024

10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 1713' FNL, 1754' FEL

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNE 33 9S 21E

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start:	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☑ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☐ OTHER:
	☐ CONVERT WELL TYPE	☑ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

THE SUBJECT WELL LOCATION WAS PLACED ON PRODUCTION ON 10/18/2008 AT 11:30 AM.

PLEASE REFER TO THE ATTACHED CHRONOLOGICAL WELL HISTORY.

NAME (PLEASE PRINT) SHEILA UPCHEGO TITLE REGULATORY ANALYST

SIGNATURE Sheila Upchego DATE 10/20/2008

(This space for State use only)

RECEIVED
OCT 27 2008
DIV. OF OIL, GAS & MINING

(5/2000) (See Instructions on Reverse Side)

Wins No.: 91729	NBU 921-33G	API No.: 4304736392

EVENT INFORMATION:
EVENT ACTIVITY: RECOMPLETION
OBJECTIVE: DEVELOPMENT
OBJECTIVE 2: RE FRAC
REASON: WAS RECOMPLETE
START DATE: 10/9/2008
END DATE: 10/15/2008
DATE WELL STARTED PROD.: 9/29/2006
Event End Status: COMPLETE
AFE NO.: 2024891

RIG OPERATIONS:	Begin Mobilization	Rig On Location	Rig Charges	Rig Operation Start	Finish Drilling	Rig Release	Rig Off Location
LEED 733 / 733		10/09/2008					10/15/2008

Date	Time Start-End	Duration (hr)	Phase	Code	Subco de	P/U	Operation
10/8/2008	SUPERVISOR: CLAUD SIMS						
	7:00 - 7:30	0.50	COMP	48		P	JSA-SAFETY MEETING #1 DAY #1
	7:30 - 18:30	11.00	COMP	30	A	P	ROAD RIG FROM STATE 921-32J TO LOC, MIRU SERVICE UNIT, N/D WH, N/U BOPS, TOOH W/ 2-3/8" TBG, LAY DN BTTM HOLE ASSY, SWI SDFN,
10/9/2008	SUPERVISOR: CLAUD SIMS						
	7:00 - 7:30	0.50	COMP	48		P	JSA-SAFETY MEETING #2, DAY 2
	7:30 - 16:30	9.00	COMP	31	I	P	500 # 0N WELL BLOWED DN TO TK, PUMP 50 BBLS 2% KCL, TIH W 3-7/8" MILL TO @ 7400', TOOH W/ 2-3/8" TBG STANDING IN DERRICK. TOTAL OF 272 JTS 2-3/8" TBG IN WELL, R/D FLOOR & TBG EQUIP, N/D BOPS, N/U FRAC VALVE,
	16:30 - 16:30	0.00	COMP	34	I	P	R/U CASEDHOLE SOLUTIONS WIRELINE, RIH W BAKER 8K CBP, SET CBP AT 7440', R/U BC QUICK TEST, PRESSURE TEST CSG AND FRAC VALVE TO 6000#, (HELD). (STG #1 PERF) RIH W/ PERF GUNS, PERF THE WASATCH @ 7345 - 48' 4-SPF, 7332-35' 3-SPF, 7326 - 29' 3-SPF, 7308 - 12' 3-SPF,USING 3-3/8" EXP GUNS, 23gm, 0.36 HOLE, 90* PHS, 42 HOLES, SWI, SDFWE.
10/10/2008	SUPERVISOR: CLAUD SIMS						
	7:00 - 15:00	8.00	COMP	30		P	STANDBY
10/13/2008	SUPERVISOR: CLAUD SIMS						
	6:00 - 10:30	4.50	COMP	36		P	CHECK FRAC TKS ALL SHOW 0% H2S, RIG UP SCHLUMBERGER FRAC, HOLD JSA -SAFETY MEETING W, FRAC AND RIG CREW.

10:30 - 10:30	0.00	COMP	36	D	P	(STG #1) WHP = 112#, BRK DN PERF @ 3977# @ 5B/M, INJ-RT = 5 B/M, INJ-P = 4466#, ISIP = 1850#, F.G.= 0.76, PMPED 3 BBLS 15% HCL AHEAD OF INJ, CALC 90% PERF OPEN, PMPED 1293 BBLS SLK WTR, & 40020# SAND, ISIP = 4380#, F.G. = 0.75, NPI = 530, MP = 6072#, MR = 51 B/M, AP = 4208#, AR = 48.6 B/M, 35021# OTTAWA30/50 SAND, 5000# TLC SD, GALS OF FRW-B145, GALS J583 CLAYTREAT, GALS NALCO SCALE INHIB, GALS NALCO BIOCID, (STG #2) RIH W/ BAKER 8K CBP & PERF GUNS, SET CBP @ 7172', PERF THE WASATCH @ 7138 - 42' 4-SPF, 7091 - 94' 3-SPF, 7064 - 70' 3-SPF, USING 203/8" EXP GUNS, 23gm, 0.36 HOLE, 90* PHS, 43 HOLES, WHP = 1730#. BRK DN PERF @ 3207# @ 5 B/M, INJ-RT = 50 B/M, INJ-P = 4040#, ISIP = 2200#, F.G.= 0.74, CALC 84% PERF OPEN, PMPED 1656 BBLS SLK WTR & 61399# SAND, ISIP = 2230#, F.G.= 0.74, NPI = 30, MP = 4653#, MR = 52.1 B/M, AP = 3956#, AR = 48.6 B/M, 56394# OTTAWA 30/50 SAND, 5000# TLC SAND, 162 GALS J583 CLAYTREAT, 38 GALS FRW-B145, 119 GALS NALCO SCALE INHIB, 34 GALS NALCO BIOCID, (STG #3) RIH W/ BAKER 8K CBP & PERF GUNS, SET CBP @ 6942', PERF THE WASATCH @ 6908 - 12' 4-SPF, 6882- 86' 3-SPF, 6872- 75' 3-SPF, 6778- 80' 3-SPF, USING 3-3/8" EXP GUNS, 23gm, 0.36 HOLE, 90* PHS, 43 HOLES, WHP = 1830# BRK DN PERF @ 2410# @ 5 B/M, INJ-RT = 51.4 B/M, INJ-P = 4480#, ISIP = 2000#, F.G.= 0.72, CALC 81% PERF OPEN, PMPED 1502 BBLS SLK WTR & 52941# SAND. ISIP = 2350#, F.G.= 0.77, NPI = 350, MP = 4821#, MR = 52.6 B/M, AP = 3898#, AR = 48.9 B/M, 47941# OTTAWA 30/50 SD, 5000# TLC SAND, 143 GALS J583 CLAYTREAT, 31 GAL FRW-B145, 133 GALS NALCO SCALE INHIB., 25 GAL NALCO BIOCID. (STG #4) RIH W/ BAKER 8K CBP & PERF GUNS, SET CBP @ 6667', PERF THE WASATCH @ 6634- 37', 6513- 17', 6408- 15', 3-SPF, USING 3-3/8" EXP GUNS, 23gm, 0.36 HOLE, 90* PHS, 42 HOLES, WHP = 1220 # BRK DN PERF @ 3222 # @ 5 B/M, INJ-RT = 51.5 B/M, INJ-P = 4950#, ISIP = 1750#, F.G.= 0.69, CALC 86% PERF OPEN, PMPED 1673 BBLS SLK WTR & 60863# SAND, ISIP = 2500#, F.G.= 0.80 , NPI = 750 , MP = 4954 #, MR = 52.6 B/M, AP = 4189#, AR = 49.8 B/M, 55863# OTTAWA 30/50 SAND, 5000# TLC SAND, 158 GAL J583 CLAYTREAT, 34 GAL FRW-B145, 128 GALS NALCO SCALE INHIB, 32 GALS NALCO BIOCID, (STG #5)RIH W BAKER 8K CBP & PERF GUN, SET CBP @ 6181', PERF THE WASATCH @ 6152- 54' 4-SPF, 6076- 83' 3-SPF, 6020 - 22' 3-SPF, 5992- 94' 3-SPF, USING 3-3/8" EXP GUNS, 23gm, 0.36 HOLE, 90* PHS, 42 HOLES, WHP = 1145# BRK DN PERF @ 2166 # @ 5 B/M, INJ-RT = 51.5 B/M, INJ-P = 3700#, ISIP = 1575 #, F.G.= 0.69 , CALC 85% PERF OPEN, PMPED 1787 BBLS SLK WTR & 66230# SD, ISIP 2050#, F.G.= 0.77, NPI = 475, MP = 3969 #, MR = 52.6 B/M, AP = 3603 #, AR = 48.6 B/M, 61230 # OTTAWA 30/50 SAND, 5000# TLC SAND, GALS J583 CLAYTREAT, GALS FRW-B145, GALS NALCO SCALE INHIB, GALS NALCO BIOCID. (STG #6) RIH W/ BAKER 8K CBP & PERF GUNS, SET CBP @ 5870', PERF THE WASATCH @ 5816- 21', 5802- 08', 5662- 65' 3-SPF, USING 3-3/8"EXP GUNS, 23gm, 0.36 HOLE, 90* PHS, 42 HOLES, WHP = 260 # BRK DN PERF @ 2065# @ 5 B/M, INJ-RT = 51.5 B/M, INJ-P = 3709#, ISIP = 1170#, F.G. = 0.70, CALC 85% PERF OPEN, PMPED 1778 BBLS SLK WTR & 67082# SD, ISIP = 2050#, F.G.= 0.79 , NPI = 880, MP = 3985#, MR = 51.5 B/M,

							AP = 3634 #, AR = 49 B/M, 62082# OTTAWA 30/50 SAND, 5000 # TLC SAND, GALS J583 CLAYTREAT, GAL FRW-B145, GAL NALCO SCALE INHIB, GALS NALCO BIOCID. (STG #7) RIH W/ BAKER 8K CBP & PERF GUNS, SET CBP @ 5150', PERF THE WASATCH @ 5102- 06', 5001- 11', 3-SPF, USING 3-3/8" EXP GUNS, 23gm, 0.36 HOLE, 90* PHS, 42 HOLES, WHP = 348 # BRK DN PERF @ 1550#, @ 5 B/M, INJ-RT = 51.5 B/M, INJ-P = 3370#, ISIP = 1000 #, F.G.= 0.63, CALC 81% PERF OPEN, PMPED 2016 BBLS SLK WTR & 83208# SAND, ISIP = 2000 #, F.G. = 0.83 , NPI = 1000, MP = 4010#, MR = 52.6 B/M, AP = 3259 #, AR = 49.7 B/M, 78208 # OTTAWA 30/50 SD, 5000 # TLC SD, 195 GALS J583 CLAYTREAT, 40 GALS FRW-B145, 78 GALS NALCO SCALE INHIB, 32 GALS NALCO BIOCID., R/D SCHLUMBERGER FRAC. SHUT WELL IN SDFN.
10/14/2008	SUPERVISOR:	CLAUD SIMS					
	7:00 - 7:30	0.50	COMP	48		P	JSA-SAFETY MEETING #5 DAY 5
	7:30 - 10:30	3.00	COMP	34	I	P	R/U CASEDHOLE WIRLINE (KILL PLUG) RIH W/ BAKER 8K CBP, SET CBP @ 4971', R/D WIRELINE
	10:30 - 15:00	4.50	COMP	31	I	P	R/D FRAC VALVE, R/U BOPS, P/U 3-7/8" MILL W/ SLIDING SLEEVE, TIH 2-3/8" PRODUCTION TBG, TAG CBP @ 4971', RIG UP POWER SWIVEL, SWI SDFN.
10/15/2008	SUPERVISOR:	CLAUD SIMS					
	7:00 - 7:30	0.50	COMP	48		P	JSA-SAFETY MEETING #6, DAY 6

	7:30 - 23:00	15.50	COMP	44	C	P	TAG CBP @ 4951', ESTB CIRC DN TBG OUT CSG, (DRLG CBP #1) 4951', DRILL OUT BAKER 8K CBP IN 37 MIN, 20# DIFF, RIH TAG @ 5150', C/O 0' SAND, FCP = 20#, (DRLG CBP #2) 5150', DRILL OUT BAKER 8K CBP IN 5 MIN, 10# DIFF, RIH TAG @ 5850', C/O 20' SAND, FCP = 50# (DRLG CBP #3) 5870', DRILL OUT BAKER 8K CBP IN 20 MIN, 50# DIFF, RIH TAG @ 6165 ',C/O 19' SAND, FCP = 100 #, (DRLG CBP # 4) 6184', DRILL OUT BAKER 8K CBP IN 15 MIN, 20# DIFF, RIH TAG @ 6657',C/O 10' SAND, FCP = 120 #, (DRLG CBP #5) 6667', DRILL OUT BAKER 8K CBP, DRILL @ 1/2 OF PLUG CSG PRESSURE JUMP TO 1475# W/ UNLOAD FRAC WTR AND SAND, BLOW WELL DN, WASH OUT LINE INTO FLOW BK TK, HOOK UP NEW FLOW BK TK, FINISH DRILLOUT CBP, DRILL CBP IN 50 MIN, 380# DIFF, RIH TAG @ 6848 ', C/O 94' SAND, FCP = 500#, (DRLG CBP #6) 6942', DRILL OUT BAKER 8K CBP IN 45 MIN, 0# DIFF, RIH TAG @ 7172', C/O 0 ' SAND, FCP = 500 # (DRLGCBP #7) 7172', DRILL OUT BAKER 8K CBP IN 32 MIN, 0 # DIFF, RIH TAG @ 7440 ', PBTD. AVG 34 MIN /PLUG & 143' OF SAND. CIRC WELL CLEAN, POOH LAY DN 46 JTS 2-3/8" TBG ON GROUND, LANDED TBG ON HANGER W/ 226 JTS 2-3/8" J-55 TBG, EOT @ 7034.99', RD/ FLOOR & TBG EQUIP, N/D BOPS, N/U WH, R/U DELSCO SLICK LINE, RIH RETREIVE PLUG IN SLIDING SLEEVE, RIH SET SIDE FLOW PLUG IN SLIDING SLEEVE, OPEN WELL TO FBT ON 48/64 CHOKE, FTP = 800 #, SICP = 1500 #, TURN WELL OVER TO FBC @ P.M. W/ 10,605 BBLS WTR LTR, SDFN 226 JTS 2-3/8" J-55 TBG LANDED 46 JTS 2-3/8" J-55 TBG LAYED DN ON LOC, HAUL INTO PRS. KB = 18.00' HANGER = .83' 226 JTS 2-3/8" J-55 TBG = 7012.99' SLIDING SLEEVE W/ MILL = 4.00' EOT = 7035.82'
10/16/2008	SUPERVISOR: -						
	7:00 -			33	A		7 AM FLBK REPORT: CP 1950#, TP 1500#, 20/64" CK, 50 BWPH, TRACE SAND, - GAS TTL BBLS RECOVERED: 550 BBLS LEFT TO RECOVER: 11855
10/17/2008	SUPERVISOR: DON HULLINGER						
	11:30 -		PROD				WELL TURNED TO SALES @ 1130 HR ON 10/17/2008 - FTP 750#, CP 2300#, CK 20/64", 630 MCFD, 720 BWPD
10/17/2008	SUPERVISOR: DON HULLINGER						
	7:00 -			33	A		7 AM FLBK REPORT: CP 2300#, TP 1250#, 20/64" CK, 30 BWPH, TRACE SAND, - GAS TTL BBLS RECOVERED: 3355 BBLS LEFT TO RECOVER: 9050
10/18/2008	SUPERVISOR: DON HULLINGER						
	7:00 -			33	A		7 AM FLBK REPORT: CP 2300#, TP 1000#, 20/64" CK, 30 BWPH, TRACE SAND, - GAS TTL BBLS RECOVERED: 4128 BBLS LEFT TO RECOVER: 8277
10/19/2008	SUPERVISOR: DON HULLINGER						

	7:00 -	33	A	7 AM FLBK REPORT: CP 2200#, TP 900#, 20/64" CK, 18 BWPH, CLEAN SAND, - GAS TTL BBLS RECOVERED: 4640 BBLS LEFT TO RECOVER: 7765

amended

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

AMENDED REPORT ☐ (highlight changes) FORM 8

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. LEASE DESIGNATION AND SERIAL NUMBER: STUO-015630-ST
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
7. UNIT or CA AGREEMENT NAME: UNIT #891008900A
8. WELL NAME and NUMBER: NBU 921-33G
9. API NUMBER: 4304736392
10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES
11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNE 33 9S 21E
12. COUNTY: UINTAH
13. STATE: UTAH

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ DRY ☐ OTHER
b. TYPE OF WORK: NEW WELL ☐ HORIZ. LATS. ☐ DEEP-EN ☐ RE-ENTRY ☐ DIFF. RESVR. ☑ OTHER RECOMPLETE
2. NAME OF OPERATOR: KERR McGEE OIL & GAS ONSHORE LP
3. ADDRESS OF OPERATOR: 1368 S 1200 E CITY VERNAL STATE UT ZIP 84078
PHONE NUMBER: (435) 781-7024
4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: 1713'FNL, 1754'FEL
AT TOP PRODUCING INTERVAL REPORTED BELOW:
AT TOTAL DEPTH:

14. DATE SPUDDED:	15. DATE T.D. REACHED:	16. DATE COMPLETED:	ABANDONED	READY TO PRODUCE	17. ELEVATIONS (DF, RKB, RT, GL):
9/16/2006	10/7/2006	10/17/2008	☐	☑	4949'GL

18. TOTAL DEPTH: MD / TVD	19. PLUG BACK T.D.: MD / TVD	20. IF MULTIPLE COMPLETIONS, HOW MANY? *	21. DEPTH BRIDGE PLUG SET: MD / TVD
9,700	7,440		

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)
N/A

23.
WAS WELL CORED? NO ☑ YES ☐ (Submit analysis)
WAS DST RUN? NO ☑ YES ☐ (Submit report)
DIRECTIONAL SURVEY? NO ☑ YES ☐ (Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
20"	14" STL	36.7#		40		28			
12 1/4"	9 5/8 H-40	32.3# 36#		2,550		605			
7 7/8"	4 1/2 I-80	11.6#		9,700		1574			

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	7,035							

26. PRODUCING INTERVALS / 27. PERFORATION RECORD

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
(A) WASATCH	5,001	7,348			5,001 7,348	0.36	295	Open ☑ Squeezed ☐
(B)								Open ☐ Squeezed ☐
(C)								Open ☐ Squeezed ☐
(D)								Open ☐ Squeezed ☐

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
5001'-7348'	PMP 11,704 BBLS SLICK H2O & 431,738# 30/50 SD

29. ENCLOSED ATTACHMENTS:
☐ ELECTRICAL/MECHANICAL LOGS ☐ GEOLOGIC REPORT ☐ DST REPORT ☐ DIRECTIONAL SURVEY
☐ SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION ☐ CORE ANALYSIS ☐ OTHER:

30. WELL STATUS: PROD

(5/2000) (CONTINUED ON BACK)

RECEIVED
DEC 18 2008
DIV. OF OIL, GAS & MINING

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
10/17/2008	10/19/2008	12		0	497	434	FLOWING

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:
20/64	900	2,200					0	497	434	PROD

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

SOLD

33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
WASATCH	4,804	7,568			
MESAVERDE	7,599	9,642			

35. ADDITIONAL REMARKS (Include plugging procedure)

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) SHEILA UPCHEGO TITLE REGULATORY ANALYST

SIGNATURE DATE 12/15/2008

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

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